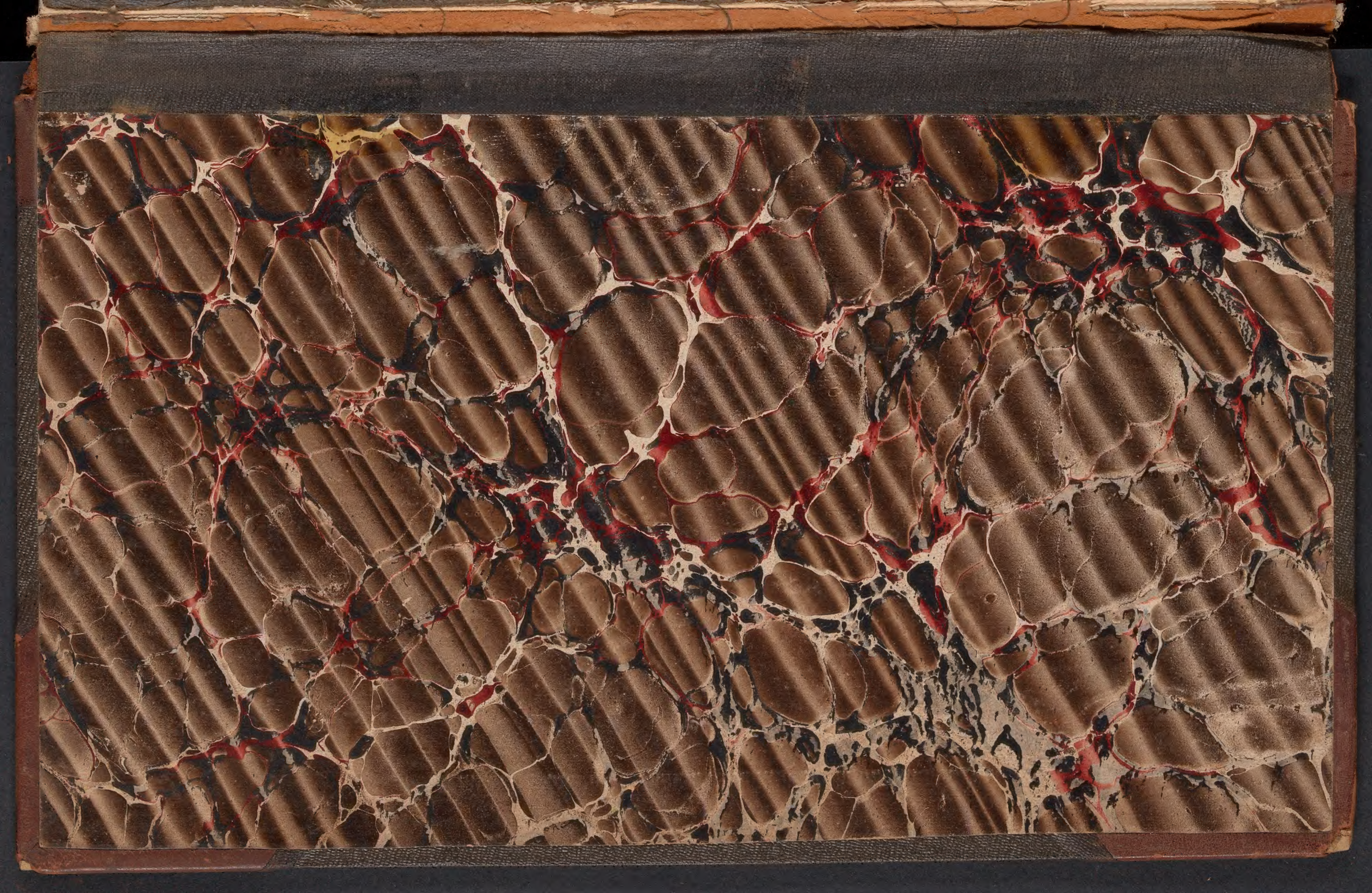


Catalogue of Microscopical Slides of the Bailey Collection.

3 To go with the "Microscopical Collection"

some of the choicest treasures of my collection here indicated

Record of position of objects on slides mostly from Atlantic Soundings.

by Prof. Bailey

Slide A Catalogue No. 567

147 Fathoms Off Key Biscayne

No 1 $\frac{62}{72}$ Podocystis bulbosus. B.

2 $\frac{64\ 1/4}{73\ 1/2}$ Campylodiscus vagans B.

3 $\frac{52}{74\ 1/2}$ Halicalyptra polygonalis B.

4 $\frac{44}{73\ 7/8}$ Diploneis

5 $\frac{64}{72\ 1/4}$ Campylodiscus vagans B.

6 $\frac{59\ 7/8}{74\ 7/8}$ Pinnularia musica B.

7 $\frac{64\ 1/2}{70}$ Amphispentas

8 $\frac{39\ 1/2}{74\ 1/2}$ Lithopera schegera B.

9 $\frac{49}{72\ 1/8}$ Pinnularia?

10 $\frac{62\ 1/8}{69}$ Halicalyptra Petasus B. slightly broken

11 $\frac{47}{73\ 1/2}$ Auliscus cribrosus B.

12 $\frac{61\ 3/4}{64\ 1/4}$ Campylodiscus vagans

13 $\frac{59}{70\ 2/3}$ Eucyrtidium

14 $\frac{52}{82\ 1/4}$ Pinnularia biprora B.

15 $\frac{61\ 1/8}{29}$ Cornutella clathrata B. profunda Ehr.

16 $\frac{48\ 1/3}{89\ 1/4}$ Eucyrtidium

17 $\frac{40}{65\ 2/3}$ Halicalyptra obtusa B. See F" $\frac{46\ 7/8}{81}$ for top view of same.

18 $\frac{46\ 7/8}{73+}$ Chaetoceros falcatum B. very slightly

Slide B. No. 5/8

147 Fathoms Off Key Biscayne

No 1 51/73½ Porpeia quadriceps B.

2 49½/73½ Eurodia gibba B.

3 38/84½ Halicalyptra? dentata B.

4 58⅛/71 curious frame work See S'

5 60½/77½ Haliclona rosa B.

6 58½/89 " spinosa B.

Smearing

C

147 Fathoms Off Key Biscayne

No	1	53½ / 78⅞	Halicalyptra Peluvius B.	top view margin broken
	2	54 / 78¾	Ceratospyris parva B.	
	3	41⅞ / 82–	Campylodiscus vagans B.	
	4	57 / 69	Bacteriastrum	
	5	39¼ / 68¾	Surirella lata? Smith variety not contracted	
	6	45 / 73¼	Amphipentas flexuosus B.	quadrangular variety
	7	49– / 77½	Amphora	in state of fission
	8	46½ / 75–	Denticella lineata B.	
	9	55 / 66¼		
	10	40¾ / 67	Chaetoceros falcatum B.	
	11	43½ / 66¾	Corethron sp ? spinosum B Amphitetras cuspidata B.	
	12	45– / 67¾	Diploneis	oblique view showing ridge in the middle
	13	36¼ / 32¾	Eucyrtidium prolongatum B	
	14	40¾ / 76¼	Valiantium amplum B.	good

Slide D No. 570

Off Key Biscayne 147 Fathoms

No 1 $\frac{36/2}{65/4}$ Amphisentas flexuosus B.

2 $\frac{51/2}{28-}$ Hyalodiscus radiatus B = Craspedodiscus? radiatus Ehr

3 $\frac{47/2}{70/2}$ Surirella fastuosa? See Mic Journ. Vol 3 pl IV

4 $\frac{55/4}{73/8}$ Amphisentas? ornatum 5 angled variety of Amphitetras ornatus of Shadbolt See Mic. Journ. Vol 2 pl 13

5 $\frac{41}{71/4}$ Cornulella clathrata B. profunda.

Slide E. small slide No. 571

Off Key Biscayne 147 Fathoms

1	√ 49/2 / 74¼	Haliarthrum amplum B.	
2	45¼ / 79⅛	Grammatophora serpentina? Ehr	
3	52½ / 75½+	Placolithus radiatus Ehr.	See Mikrogeologie Taf. 34. X fig 5 Left hand at bottom
4	55¾ / 30¾	Pinnularia fracelsa? Ehr.	

Slide F No. 572

Off Key Biscayne 127 Fathoms

No 1	52 3/4 / 67	Coscinodiscus	
2	62 1/4 / 37 3/4	Navicula ! cancinna B.	
3	63 / 49 1/4	" " "	
4	60 1/4 / 26	Triceratium	
5	55 1/2 / 60 in	Nitschia decussata B	
6	51 3/4 / 21	Triceratium Parma B.	Oblique view, showing side
7	49 3/4 / 20 1/2	Asterolampra	7 rays, in very point, near point of a large spicule and E. of Triceratium Parma.
8	48 1/4 / 78 7/8	Porpeia quadriceps B.	
9	48 / 72	Pinnularia musica B	in angle between two spicules
10	40 3/4 / 75 1/4	Porpeia quadriceps B.	2 pustules
11	39 1/2 / 60 3/4	Podosyrtis Ægles Ehr.	
12	38 3/4 / 74 3/4	Halionma circumlucens B.	
13	37 3/4 / 19 7/8	Navicula Scutula B.	
14.	46 3/4 / 30	~~Spongiscus~~ ~~Saturni~~	Spongodiscus Saturni B

Slide G. No. 573

Off Key Biscayne 147 Fathoms

No 1 $\frac{57}{69}$ a, $\frac{64\frac{1}{4}}{71\frac{1}{4}}$ b, $\frac{61\frac{1}{8}}{65\frac{3}{4}}$ c Podocystis Aegles Ehr.

2 $\frac{58\frac{1}{2}}{72\frac{1}{2}+}$ Cornutella Fiscella B. top view

3. $\frac{60}{75\frac{2}{3}}$ Eucyrtidium compressum? B, var,

4. $\frac{62\frac{1}{4}}{71\frac{1}{4}}$ Podocystis Aegles Ehr. showing basal teeth well

5. $\frac{68\frac{1}{4}}{66\frac{1}{8}}$ Amphispentas ornatus?

6. $\frac{49}{74\frac{2}{3}}$ Haliarthrum complexum B.

7. $\frac{47\frac{7}{8}}{79\frac{3}{4}}$ Cornutella clathrata β profunda Ehr.

8. $\frac{44\frac{3}{4}}{69\frac{2}{3}}$ Eucyrtidium compressum B

Slide H. No. 574

147 Fathoms off Key Biscayne

No 1	61 3/4 / 87 1/4	Pinnularia? decora B
2	60 1/2 / 67 7/8	Nitzchia decussata B.
3	60 / 86	Pinnularia musica B.
4	44 1/8 / 82 1/4	Diploneis
5	43 1/4 / 76	Hyalodiscus ~~multi~~ lineatis B (made with lines)
6	40 1/2 / 71 1/4	Pinnularia praelexta? Ehr
7	34 / 70 3/4	
8	36 3/4 / 80	

Slide I. No. 575

Off Key Biscayne. 147 Fathoms

No 1	$\frac{63\frac{3}{4}}{82\frac{1}{2}}$	*Halicalyptra Petasus* B.	top view
2	$\frac{63\frac{1}{4}}{68\frac{1}{2}}$	*Podocyrtis decurrens* B.	
3	$\frac{44\frac{1}{2}}{82}$	*Clinacospaenia elongata* B	
4	$\frac{50\frac{3}{4}}{74}$	*Navicula? carinata* B	
5		(Spicules &c)	
6	$\frac{40\frac{1}{8}}{80\frac{2}{3}}$	*Amphora*	
7	$\frac{62\frac{1}{4}}{21}$	*Haliomma valida* B?	broken so as to show nucleus.
8	$\frac{62\frac{1}{4}}{30\frac{2}{3}}$	*Haliomma inaequalis* B	with large unequal meshes.

Slide J No. 576

Off Key Biscayne 147 Fathoms

No 1	62 / 27	Pinnularia decora B.
2	62⁻ / 26	Eucyrtidium simplex B
3	58 / 29	Pinnularia
4	54⅞ / 76½	Coscinodiscus Parma B.
5	56⁻ / 82¼	Amphilectras cuspidata B.
6	55⁻ / 23⅞	Pinnularia praetexta? Ehr.
7	54⅞ / 83½	Placolithis radiatus Ehr.
8	58½ / 27⁻	~~Hebidyx~~ Halibotrys loculosus B
9	51⁺ / 84⁻	Pinnularia musica B. top view
10	50⁺ / 82⁻	Podocyrtis Ægles Ehr
11	47¾ / 77¾	" " "
12	45½ / 66⁻	Coscinodiscus Parma B. fine one
13	45¼ / 81¼	Triceratium setigerum B top view, broken
14	43½ / 62⅛	Pinnularia musica B
15	42¼ / 80½	Triceratium setigerum B. top view
16	46⅞ / 75	Haliarthrum complexum B
17	46⁻ / 67⅛	Haliarthrum complexum B.

Slide K No. 577

Off Key Biscayne 147 Fathoms.

No 1	59 / 23¾	Campylodiscus vagans B.	
2	49 7/8 / 22½	Triceratium setigerum B.	top view
3	47¼ / 29¼	" "	side view
4	40¾ / 66–	Triceratium Parma B	with convex sides
5	48¾ / 74 7/8	Campylodiscus vagans ? B	two specimens small one
6	65 / 66¼	Podocyrtis Berryman B.	
7	58½ / 61	Campylodiscus vagans B.	
8	65– / 68–	Pterocodon stolatum B.	
9	59 / 65–	Histiastrum ? quadriceps B.	
10	42½ / 63–	Spongodiscus biannulatus B	
11	34¾ / 73	Podocyrtis bulbosus B.	
12	42¾ / 24½	Podocyrtis Agles Eh	
13	50 / 24	" "	
14	42 7/8 / 26 7/8	Pinnularia nobilis B.	large one
15	47 / 29⅔	Spongodiscus radialis B.	
16	43¼ / 22¼	Histiastrum triceps B.	
17	43 / 23¾	Bacteriastrum	
18	33 / 23	Histiastrum spinifer. B	3 sides
19	32¼ / 16⅔	Stilodictya polygonalis ? B	with long spines, good

Slide L. No. 578

Off S. Biscayne 147 Fathoms.

No 1	68½ / 70⁻	Porpeia quadriceps B.	
2	67 / 86¾	Pinnularia musica B	small one
3	64¼ / 68¼	Porpeia quadriceps B.	
4	"	~~Pinnularia~~ Navicula! Cooperi B.	= Pinnularia Cooperi B.
5	64⅛ / 73½	Pinnularia praetexta? Ehr.	
6	63¼ / 28⅓	Coscinodiscus Parma B	
7	51¾ / 77½	Cornutella clathrata B. profunda Ehr	
8	39 / 29½	Amphitetras flexuosus B	
9	60½ / 27⅞	Campylodiscus vagans B	
10	58⅛ / 76	Triceratium Favus Ehr	very large one
11	65¾ / 84⅛ , 54⅞ / 22+	Cornutella clathrata B. profunda Ehr	
12	46⅞ / 84⅛	Podocyrtis Aegles Ehr.	
13	58¼ / 86¼	Histiastrum triceps	fine one
14	43 / 26½+	Podocyrtis decurrens B.	
15	43⁻ / 68⁻	Coscinodiscus Parma B.	[illegible], showing interior
16	42½ / 84⅛	Podocyrtis Aegles Ehr.	
17	41¼ / 66⅞	Navicula dicephanda B.	
18	41¾ / 73¼	Triceratium? Parma B	
19	37¼ / 80¾	Dictyophimus? fragilis B	
20	37 / 85	Encyclidium amphiatum B.	See 21
21	36 / 69	Pinnularia decora B.	} in same field of view
22	3 / 69	Eucodia gibba B.	
23	36 / 69	Hyalodiscus	
24	29½ / 80⅔		
25	28¼ / 75⅓	Cornutella clathrata B. profunda Ehr.	
26	58¼ / 67¼	Haliomma complexum B	Indian

Slide M No. 579

Off Key Biscayne 127 Fathoms

1	38¾ / 28⅞	Triceratium? Parma B.
2	47¼ / 70	Campylodiscus vagans B.
3	66 / 28	" "
4	53¼ / 26¼	Coronulella clathrata B. profunda
5	52½ / 26¼	Pinnularia musica B. [illegible] vicar
6	49 / 65¼	Eupodiscus radiatus B.
7	47½ / 46¾	Pinnularia [illegible]?
8	48½ / 26	" praetexta Ehr
9	42¼ / 28⅓	Porpeia quadriceps B.
10	41½ / 27¾	Coronulella Fiscella B
11	35½ / 27	Pinnularia Navicula Cusperi B.
12	49+ / 31¼	Podosyrtis baltosus B with varyn forth Ban mod
13	55¾ / 65¾	Amphitetras Crux
14	40¾ / 24¼+	Halionma opposita B.
15	48¼ / 24	Spicule
16	65 / 65⅛	Lithomelissa? calva
17	40 / 24¼	" " B
18	43 / 65⅛	Amphora seen Hagey mod

Slide N. No. 580

Depth not marked, off Key Biscayne.

No 1	57¼ / 74½	Dictyocha fibula Ehr. good one
2	42 / 80	Halionma ostrita B.
3	68½ / 31¼	Stylodictya polygonalis B.
4	66 / 31	Haliarthrum amplum B. broken so as to show the nucleus
5	64¾ / 64½	Orthocladium spongiosum B.
6	63 / 30¼	~~Halicalyptra~~ Podocyrtis campanulata B. showing base
7	56¼ / 82½	Lamprodiscus fine oblique view
8	56½ a, 51½ b / 61¼ 29+	Podocyrtis Ægles, Ehr.
9	50⅛ / 66	Spongodiscus Saturni B.
10	50 / 62½	Carpocanium Fragum B.
11	42⅛ / 72⅛	
12	41⅞ / 71¼	Placolites radiatus Ehr.
13	40+ / 80+	Lithocampium trifenestratum B. W. 1 large Spicule
14	38¼ / 80	Th. Eucyrtidium impeïdens B.

Slide 6. No. 581

Off Key Biscayne depth not marked

No1	46 / 24h	Asteromphalus	touching a Dictyocha and W.f.
2	54 3/4 / 28 3/4+		spindle shaped body.
3	54 1/4 / 64 1/8		curious spicule
4	49h / 66	Ceratospyris	
5	53h / 64	Dictyophimus? Dorcidis 6	
6	53h / 67 3/4	Haliarthrus	
7	43 / 70h	Asteromphalus	near a small

No. 582

Slide P. Off Key Biscayne depth not marked

No 1	33¼ / 70¾	Dictyocephalus aranea~~s~~osa B
2	40¼ / 76	Diploneis pulchra B.
3	33¼ / 64½	
4	62¼ / 30½	Halibdrys spinosus B
5	40¼ / 85⅔	Haliarthrum complexa~~ta~~ B.
6	58 / 25¼	Dictyopyxis depressa B.

No. 583

Slide Q. off Key Biscayne, Depth not marked

101	55 / 74¼	Suricella lata ? Smith	large one
2	56 / 41¾	Pinnularia nobilis B	
3	46 / 27	" " "	two fustules
4	40¾ / 49½	Podocystis Aegles Ehr	curved one
5	58¼ / 84	Distinstrum concentricum B.	

Slide R. No. 584

No. Off Key Biscayne 147 Fathoms.

1 $\frac{64\ 3/4}{76\ 1/2}$ Discoaster aranea B

2 $\frac{56}{28\ 1/2}$ Triceratium? Parma B.

3 $\frac{45\ 1/8}{28\ 1/8}$ " "

4 $\frac{41}{44}$ Histiastrum ~~spiniferum~~ B with traces of spines

5 $\frac{33\ 1/8}{36\ 1/8}$ Triceratium Parma B.

6 $\frac{31\ 1/2}{33\ 3/8}$ Eucyrtidium Tritonis B. . . . good one Lee W.

7 $\frac{47}{71\ 1/2}$ Pterocodon? Tholus B (dome, cupola)

8 $\frac{39\ 1/2}{73+}$ $3\ 1/2$ Lithomelissa? irregularis

No. 585

Slide S. 147 Fathoms, off Key Biscayne

No 1	61 3/4 63 1/2	Coscinodiscus ? Parma B.	
2	62 1/4 37 1/4	Triceratium ? Parma B.	
3	57 1/4 37 -	Podocystis decurrens B.	with veil very far extended
4	30 28	Rhaphides circularis B.	
5	51 + 67 1/2	Halicalyptra Pelagus B. ?	top view, broken
6	49 81 1/2	Nitzschia decussata B.	
7	40 1/4 35	Porpeia quadriceps B.	

No. 586

Slide F. Off Key Biscayne 147 Fathoms.

No 1	58½ / 81	Cyrtocalpium trifenestrum H.	
2	33¼ / 37¼	Podocyrtis decaurens B.	
3	49⅞ / 46	Eucyrtidium elongatum B.	
4	44 / 61½	Triceratium trisulcum B.	
5	36½ / 33⅞	Halimma hexagonum? Ehr	broken, showing nucleus
6	33½ / 76	Ristrostrum Lamb da B.	with cloud
7	45½ / 61½	Halicarya binucleata B	
8	41¼ / 41¼	Spongodiscus radiatus B.	✓

No. 587

Slide U. Off Key Biscayne, Depth not marked.

No 1.	69/76½	Plectrospyris cancellatus B.		
2	68⅛/86½	Eucyrtidium? inaequale B		
3	66½/77½	Nitschia decussata B.		
4	62/66	Phacolites radiatus Ehr.	with vermiform pseudo closed it,	
5	48¼/26	Perinephelium Saturnia B.		
6	42/78⅔	Navicula Scutella B.		
7	√ 40¾/73½	Dictyospyris Mingi B.		
8	√ 35/65½	Plectrospyris cancellatus B.	fine one	
9	33¼/65½	Podocyrtis Aegles Ehr.	with good view of basal edge	
10	√ √ 40/60	Halicarya quadrifonis B	fine one	
11	47¼/65¾	Cenosphaera? Halimma?	broken on underside,	undeterminable
12	57¼/67½	Halicarthrum amplum B		
13	57½/78¼	" " B.		
14	57⅛/60⅔	Pleurocodon stolatum B.		

Slide V. No. 588

Off Key Biscayne 205 Fathoms

No 1	57¼ / 84¾	?	Eucyrtidium ? / Halimma — not found
2	55½ / 64+		Podocyrtis Aegles Ehr
3	54¼ / 28		Ceratospyris tripes B.
4	40+ / 54¼		Eucyrtidium compressum B
5	36 / 36¼		" "
6	39 / 45		Halimma Ceros ? Ehr.
7	68¼ / 73½		Diplospyris laxa B.
8	"		Lithospera setigera B. S.E of last
9	32½ / 24½		Podocyrtis ?
10	58 / 74		Lithobotrys varians B.
11	36¼ / 28½		Histastrum triceps B.
12	51 / 83		Pterocodon ? Ehr.

Slide W. No. 589

Off Key Biscayne 205 Fathoms

No 1.	53½ / 29-	Ceratospyris parva B	
2	✓ 55¾ / 28⅓	Eucyrtidium Tritonis B.	
3	54 / 43¾	Hyalodiscus	edge view ( ) = Discospira umbilicata? Ehr
4	70½ / 78+	Podocyrtis Aegles Ehr.	base view
5	✓ 69⅞ / 39¼	Lychnocanium bifenestratum B	
6	〃	Halisphormis elongata B.	See F. 55¼ / 80¼
7	60¼ / 24	Chaetoceros fabratum B.	
8	60¼ / 23-	Podocyrtis Aegles Ehr,	a deformed specimen
9	60- / 33⅓	Coscinodiscus Parma B.	large one, broken
10	✓ 63- / 28¾	Haliarthrum amplum	oblique view, showing nuclei
11	59¾ / 40	Halicalyptra Pelasus B.	top view, broken
12	54¾ / 29½	Diplospyris praetexta B.	a fragment
13	✓ 57¾ / 33⅞	Eucyrtidium elongatum B	
14	54¼ / 69½	Histiastrum Lambda B.	with spongy tissue, well shown
15	51½ / 78¾	Cornutella Fiscella B.	internal view
16	51 / 25⅞	Spirella lata. Smith	
17	49¼ / 39	Amphora	
18	✓ 49 / 20¾	Halicalyptra Pelasus	oblique view
19	44½ / 25¾	Podocyrtis decurrens? B	
20	✓ 48¼ / 29+	Eucyrtidium expansum B.	
21	42¼ / 22⅓	Podocyrtis Aegles Ehr.	good one
22	40½ / 48¼	Tricratium schizesum B.	

Slide X. No. 590

Off Key Biscayne. 147 Fathoms.

No 1	58¼ / 70¾	Chaetoceros falcatum B.	
2	65 / 75¾	Porpeia quadriceps, B.	E of a long spicule and near a Dictyocha
3	64½ / 75⅞	Haliarthrum amplum B.	centre large
4	65 / 80	" complexum B	
5	39¾ / 66	Histiastrum biceps, var	good one
6	41⅛ / 64¾	Encyrtidium fallum B.	large meshes
7	49¼ / 71	" compressum B.	small "
8	41⅛ / 78½	Cornutella obtusa B	~~tip bad~~
9	56¾ / 85	Encyrtidium fusillum B	
10	40¼ / 63	Halionma Cydippes B.	with long spines

Slide G. No. 591.

Off Key Biscayne 205 Fathoms.

No. 1 $\frac{60}{62\frac{1}{2}}$ Chaetoceros fabcatum B. good one

2 $\frac{61}{70\frac{3}{4}}$ Halicalyptra Pelasus B. broken, but shows details well

3 $\frac{63}{20\frac{7}{8}}$ Podocystis decurrens? B inside view of a triquetrous Polycistin

4 $\frac{45\frac{1}{4}}{21\frac{3}{4}}$ Cerataulus? stolatum? top view

Slide Z. No. 592

Off Key Biscayne 205 Fathoms.

No 1 69¼ / 71 — Hahcalyptra Pelagus B. — fine one

2 50 / 75¾ — " " — "

3 70 / 24¼ — Eucyrtidium compressum B.

4 69¼ / 47¾ — Chaetoceros falcatum B.

5 " — Cornutella clathrata ? p. profunda Ehr.

6 67¼ / 33¼ — Amphiletras obtusa B

7 66 / 84⅞ — Porpeia quadriceps B.

8 56¼ / 80 — Chaetoceros falcatum B.

9 53⅞ / 69¼ — " "

10 53¾ / 62 — Lychnocanium bifenestratum B.

11 52¼ / 63¼ — Porpeia quadriceps B.

12 45½ / 38¾ — Surirella lata ? Sm.

13 47½ / 71¼ — Eucyrtidium ampliatum B. var — like 11 34 / 86¼ but the head more spiny

14 38 / 67 — Diplospyris laxa B. — showing the fine net work

15 52 / 78 — Eucyrtidium duplex ? B — a fragment. — See 5 68¼ / 21½

16 43 / 26¾ — Hahcalyptra hexagonalis B.

17 34¼ / 86 — Podocystis bulbosus B.

18 " — Diploneis — N. E of above

19 53 / 67¼ — Nitschia alternata B. — new ?

20 53¾ / 64⅞, 45 / 26⅞, 42¾ / 84¼ — Cornutella clathrata, B profunda,

21 44 / 62½ — Diploneis — large

22 62¾ / 41¾ — Eucyrtidium auritum ? Ehr

23 " " clongatum B.

Slide A' No. 593

Off Key Biscayne 205 Fathoms

No 1	63 / 83½	Carpocanium Trazum B.	
2	52½ / 67½	Podocyrtis bulbosus B.	
3	39¼ / 75⅓	Halicalyptra? fragilis B.	
4	45¼ / 70⅞	Cornutella Fiscella? B.	large fragment.
5	57 / 72		
6	46¾ / 84¼	Lithobotrys? spinosa B.	
7	59 / 64¾	Dictyophyis? tenuis B.	
8	38¾ / 66⅛	" ? 2 fragments.	heads of Polycistins?
9	66½ / 80	Halionma circumlucens? B	
10	67 / 27⅔	Histiastrum triceps B.	
11	42⅛ / 69½	Dictyophyis? depressa B.	See N' 63 / 33⅛
12	38 / 63⅔	Denticella? tridens Ehr.	deformed
13	46¼ / 67½	Dictyocephala uranoscopa B	
14	43 / 69	" "	N. W of No. Dictyophyis
15	46½ / 77¾	Carpocanium? Trazum B	See N' 63 / 83½
16	46¾ / 68¼	Eucyrtidium ~~compressum~~ B	
17	46½ / 67	Lithobera? pinetorquis? B	
20	56¾ / 56¼	Dictyophimus? ~~fragilis~~ fragilis B.	

Slide B' No. 594

Off Key Biscayne 205 Fathoms

No. 1	61+ / 71-	Bacteriastrum	
2	50 3/4 / 75 1/2	Amphora	
3	42 / 74 1/4	Pinnularia? musica	two rectangular frustules
4	46 1/2 / 76 1/4	Amphora	S.E. of a small Surirella
5	60 / 34 1/2-	Hahartkeum complexum B	good
6	54 1/2 / 63 1/3	Carpocanium Fragum B.	

Slide C' No. 595

Off Key Biscayne 205 Fathoms

No 1	54¼ / 20¼	Amphora	
2	49¼ / 80½	Eupodiscus radiatus B	
3	"	Amphitetras cuspidata B	S. E. of above
4	50½ / 76⅛	Campylodiscus vagans B	
5	51 / 65½	Pinnularia nobilis B.	
6	40 / 65¼	Eucyrtidium alium.? B.	
7	40+ / 66⅛	Actinoptychus 8 rayed	
8	42 / 60¼	Lithobotrys obscura B	showing termination
9	49 / 82	√ Halarthrum complexum B	nucleus and rays only
10	42½ / 63⅔	Lithobotrys varians B	

D' No. 59

6ff Key Biscayne .. 65 Fathoms

No 1	62¼ / 93	Lychnocanium? paradoxum B	
2	52 / 69	Triceratium Parma B.	
3	48¼ / 73	Diploneis pulchra B.	
4	33 / 89¾	Porpeia quadriceps B end view	
5	45¾ / 31	Lychnocanium bipenestratum B.	
6	59 / 65¼	Halionmas? (too imperfect to be determined)	broken, stumpy nucleus and rays
7	43 / 30-	Eucyrtidium Tritonis B.	
8	44⅛ / 29¼	Nitzschia sinensoleptā B	outline with N. plana, Smith
9	"	Triceratium sexcerum B	end view
10	31 / 23+	Hyalodiscus radiatus	
11	63¼ / 77	Histiastrum triceps B.	
12	54¾ / 25¾	Surirella lata? Smith	good one
13	63¼ / 80+	Coscinodiscus prominens B.	

E' No. 597

Off Key Biscayne 65 Fathoms

No 1	42 1/8 / 90 3/4	Auliscus pruinosus B.	
2	70 / 90+	Podocyrtis bulbosus B.	
3	61/2 / 64+	Halicalyptra Pelagus B.	oblique view, fine one
4	60 1/4 / 68 3/4	Nitschia decussata B.	
5	60 1/2 / 26 1/8	Halionma? crenata B	broken on under side, and nucleus lost?
6	60 / 71 1/4	Porpeia quadriceps B.	
7	55 / 79+	" " "	
8	50 / 24+	Coscinodiscus Parma B.	fine one
9	49 / 38+	Stylodictya concentrica B.	
10	46 1/4 / 63 1/8	Eucyrtidium uvitum Ehr.	
11	45 1/2 / 78	Histiastrum concentricum B.	broken
12	44 1/4 / 69	Porpeia quadriceps B. end view	
13	35 1/2 / 44 1/4	Asteromphalus	a fragment, very faint
14	32 1/2 / 25	Podocyrtis Aegles Ehr.	
15	36 1/4 / 65+	Dictyophimus Glaucis B.	
16	54 3/4 / 77+	Orthorhopalum spongiosum B.	
17	39 7/8 / 80	Eucyrtidium prolongatum B.	Fig 6 36 1/4 / 32 1/4
18	38 / 85+	Lithobotrys obscura B	
19	37 7/8 / 75 2/3	Eucyrtidium turgidulum B.	
20	53 1/2 / 81+	...	serpentine spicule

Slide F' No. 598

Off Key Biscayne 65 Fathoms

No 1	64¾ / 33¼	Dictyopyxis depressa B.	edge view	See A' 42/70
2	55¼+ / 80¼	Haliphormis ? Alonza B		See W.
3	"	Sarinella Calu. Smith	S.W of preceding	
4	54⅛ / 85¼	Triceratium seligerum B.	top view	
5	46 / 69⅛	Coscinodiscus Parma ? B		
6	32+ / 46	Camptodiscus vagans B.	oblique	
7	37¾ / 64+	Halicarya quadriforis B.		
8	62½ / 27¾	Podocyrtis Aegles Ehr.	var.	
9	57⅛ / 85½	Haliarthrum complexum B		

G' No 599

Off Key Biscayne 147 Fathoms

No 1	63¾ / 70⅞	Campylodiscus vagans B.	
2	67 / 30	Podocystis Aegles Ehr	fine one
3	61 / 86	Eucyclidium compressum? B	
4	58½ / 35¼	Coscinodiscus? Parma B.	
5	43¼ / 74¼	Halionma ~~Denticulata~~? Nerina B	belonging to Diatoms
6	45 / 27	Stylodictya polygonalis B	
7	"	Triceratium Parma? B.	small one & right of preceding
8	"	Histiastrum biceps B	N of S. polygonalis above.
9	33½ / 75	Pinnularia bifolia B	small
10	58 / 26⅛	Haliarya quadrifaris B	
11	57¼ / 35⅞	" "	good one
12	54½ / 65¼	Histiastrum quadriceps B.	
13	54⅛ / 61½	Lithobotrys? multispathia B.	
14	58¾ / 74½	Pinnularia musica B.	
15	63¼ / 74½	Stenodiscus Saturni B.	
16	67 / 69⅞	Orthoscopalum	short one
17	65⅞ / 65	Stylodictya spiralis B	good one See L' 50 / 19¾
18	42 / 68½	Lithobera? biceps B	See L' 55¾ / 62?
19	38⅞ / 77	Stylodictya polygonalis? B	
20	30¾ / 72½	Bedduldphia fimbriella?	very large one

H' No. 600

Off Key Biscayne depth not marked

No 1	34 / 37 1/8	Porpeia quadriceps B.	good one
2	61 1/2 / 29 1/4	Triceratium Parma B.	
3	52 1/2 / 80 1/2	Coscinodiscus Parma B.	very fine one
4	50 / 60 1/2	Dictyocha Producta B.	
5	20 1/2 / 77	Asteromphalus planus? Smith	
6	51 / 44 1/2	Chaetoceros falcatum B.	
7	14 1/2 / 70 1/2	Coscinodiscus Parma B.	
8	√ 42 1/2 / 64	Stylodictya marginata B	
9	√ 40 3/4 / 66	Dictyocephalus Tridens B	rare
10	41 / 81 1/4	Porpeia quadriceps B.	
11	38 1/4 / 61 1/2	" "	
12	33 / 73 2/3	Amphitetras	
13	30 / 86	Histiastrum quadriceps	
14	55 1/4 / 86 7/8	Lithobotrys ornithocephala	
15	55 1/4 / 62 1/8	Lithobotrys biceps B	
16	49 / 30	Dictyocha? Dictyophimus Glunci B.	
17	√ 46 / 77 1/4	Halicalyptra? hexagonalis B.	
18	42 3/4 / 76 2/3	Dictyophimus / Halicalyptra? } hexagonalis B. Inaqua. / Mitra B } Sea at 40 / 65 2/3	

S' No. 601

Off Key Biscayne – Depth not marked

No 1	64½ / 82½	Pinnularia limbata B.	
2	√ 38 / 74½	Halicalyptra? fragilis B.	good one
3	62½ / 76¼	Halicalyptra Petasus B.	
4	44½ / 62¼	Amphipentas flexuosus B.	
5	38 / 76¾	Eucyrtidium lineatum	good one
6	41 / 80	Eucyrtidium perlongatum B.	small
7	50½ / 71½	Carpocanium? fragum B	basal cells broken

J' No. 602

Off Key Biscayne .. depth not marked

No 1	53½ / 71¾	Chaetoceros fabcatum B.	
2	64 / 76½	Eucyrtidium	
3	55½ / 66½	Encodiscus venosus B. (ὑγκος = swelling)	for top view see 2' 48¼ / 64¼
4	49½ / 64¼	Pinnularia lineolata B.	
5	48 / 88+	Campylodiscus vagans B.	
6	46½ / 87⅛	Pinnularia decora B.	side view
7	39 / 85+	Lychnocanium bifenestratum B.	
8	36¼ / 23⅓	Pinnularia musica B.	
9	35¼ / 82	Pterocodon? Tholus	
10	68¼ / 84⅔	Eucyrtidium compressum? B	
11	68¼ / 21½	Eucyrtidium ? duplex B	
12	66½ / 20¼	Ceratospyris parva B.	under side
13	53¾ / 23⅜	? " "	top view
14	40¼ / 77¼	Podocyrtis Ayles Ehr	
15	32¼ / 74¼	" "	

'K' No. 603

Off Key Biscayne ... Depth not marked (Stained brown by AA^3)

No 1	64 7/8 / 25+	Amphora
2	64 / 81+	Dictyophimus? falciferus, B
3	44 / 78	Plectospyris cancellatus B ... good one ... see N.
4	37/8 / 77 3/4	Surirella cala? Smith ... " "
5	27/4 / 82 1/8	Pinnularia bicuspidata B. ... small one constricted in middle
6	35/4 / 47	Halicalyptra Pelagus B. ... small one
7	41/2 / 65/4	Grammatophora arcuaria B
8	36 1/2 / 65 1/8	Eucyrtidium acuminatum? Ehr ... good one
9	36/4 / 75+	Stichocorys? obscura B

L' No. 604

Off Key Biscayne 65 Fathoms

No 1	$\frac{52\frac{1}{2}}{83\frac{1}{4}}$	Diplospyris? spinifera B.
2	$\frac{53\frac{1}{4}}{83\frac{1}{4}}$	Podocyrtis Aegles Ehr
3	"	Branching and Colored Sponge-like?
4	$\frac{50}{19\frac{3}{4}}$	Flustrella spiralis? Ehr
5	$\frac{45+}{80+}$	Podocyrtis Aegles Ehr.
6	$\frac{43\frac{1}{2}}{73}$	Coscinodiscus Parma Ehr. Disjunctures, broken
7	$\frac{33}{19\frac{3}{4}}$	Perinephelium Saturni B.
8	$\frac{32\frac{1}{2}}{31+}$	Podocyrtis decurrens B. top view.

M' No. 605

Off Key Biscayne 65 fathoms

No 1	62½ / 24½	?	curious piece of coarse net work
2	57¼ / 25½	Stylodictya marginata B.	
3	54¼ / 83¼	Haliarthrum complexum B.	good but not complete
4	53 / 30	Halicorya quadrifaris B.	
5	"	Camphylodiscus vagans B.	Edge view, good. SE of preceding
6	50½ / 77¼	Amphispenta flexuosus B.	4 sided one
7	48½ / 72¼	Halimma circumlucens B.	
8	31¼ / 26	" crenata B	broken on underside and meshes gone, dice J.

No. 606

6 f. Key Biscayne 65 f athems

No 1	60¼ / 90¼	Histiastrum bicepsB.	good one
2	58⅞ / 74¼	Podocyrtis decurrens B.	"
3	50⁻ / 82¾	Triceratium Parma B	"
4	47¾ / 30	Dictyopyxis depressa B.	valvar view "
5	45 / 70⁻	Spongodiscus? Crux B.	
6	43¾⁻ / 29¾	Cornutella Fiscella? B	with large meshes
7	41⅛ / 29⅜	Podocyrtis Aegles Ehr	
8	39½ / 30	" " " "	showing both sets of basal teeth
9	28¼ / 33½	Cornutella Fiscella?	with large meshes
10	29½ / 27	Spongodiscus transversus B	

No. 607

6 f 65 f athems. Off Key Biscayne

No. 1	64½ / 71½	Halicarya crosa B.	good side view
2	"	Podocyrtis Aegles Ehr	N. E of above
3	58¾ / 78⅞	Nitzschia (cistula B (a frustule box)	part valve a Diplonei
4	47½ / 81½	Histiastrum biceps B.	with cloud
5	40⁻ / 82⁻	Perinephelium Saturni B	
6	"	Histiastrum biceps B.	
7	"	Orthocephalum spinosum B	
8	32 / 54		large net work of Sponge?
9	28 / 34¾	Amphilebras cuspidata B.	
10	55½ / 22¼	Halicarya quadriporis B.	
11	55 / 75	Podocyrtis decurrens B.	top view good
12	55 / 74¾	Amphilebras obtusa B	small

P' No. 608

Off Key Biscayne - - 65 Fathoms

No 1	59/71	Dictyocephalus arenosa B	
2	29 1/4/23	Halicarya binucleata B.	
3	54 7/8/75 3/4	Dictyospyris oblonga B.	
4	54 3/4/28 1/4	Eucyrtidium compressum B.	See 2
5	48/40	Haliarthrum amplum B	interior view showing nucleus and ray
6	47 1/4/26 7/8	Halicarya erosa B	side view, good view of nucleus

Q' No 609

6/11 Key Biscayne 127 Fathoms

No 1	53½ / 60½	Diplospyris praecincta B.	good one
2	66½ / 22¼	Hulcalyptra Petasus B.	Allyne
3	65 / 70½	Astromphalus	a fragment near point of a Lithomphora
4	64¼ / 26¼	Entomoneis	curious fragment, too imperfect to determine
5	55⅛ / 17½+	Halionma opposita B	
6	55¼ / 36¼	Surirella Cata? Smith	
7	53¼ / 30⅞	Lychnocanium bifenestratum B.	
8	52⅛ / 79⅛	Odontella minima B	4 frustules at upper end of a Pman. praetexta
9	50½ / 80¼	Porpeia quadriceps B.	
10	49½ / 29	Halionma?? spongiosa B	
11	48½ / 76½+	Healarya quadrispis B.	
12	48¼ / 82	Bacteriastrum	N. W. of a large Podocystis
13	48 / 81¼	Podocystis Americana (	
14	45¾ / 64	Oncodiscus venosus B.	See J' 55½ / 66½ and J' 62½ / 35½
15	46¼ / 80	Surirella Cata? Smith	Cellulphural variety
16	39⅛ / 64¼	" " "	constricted
17	"	Eupodiscus radiatus B	SW of above
18	37¼ / 62¾	Encyclidium foraminosum B	
19	36¼ / 80¾	Histiastrum concentricum B.	
20	29½ / 67¼	Diplonéis funebris B.	a fragment

R' 4610 Off Key Biscayne

No 1	66 1/4 / 25 1/8	Synedra 4 rays with knobs [illegible]
2	65 / 72 -	Grammatophora incurva B.
3	57 1/4 / 80 1/4	Diploneis fulchra? B. mall ne
4	51 7/8 / 74 3/4	Dictyopyxis depressa B.
5	49 - / 85 2/3	Coscinodiscus Parma
6	49 1/2 / 27 7/8	Diploneis fulchra? mall ne
7	42 3/4 / 67	Eucyrtidium c [illegible]
8	31 / 80 1/4	Navicula carinata B. See I. 52 1/4 / 71 1/4
9	66 / 68 1/4	Lithopera setifera B.

S' No. 611

Off Key Biscayne, depth not marked

No 1	$\frac{69\frac{3}{4}}{86\frac{7}{8}}$	Halycaryx polyactis B.	
2	$\frac{68\frac{1}{2}}{63\frac{3}{8}}$	Pinnularia mysica B	yard me
3	$\frac{66\frac{1}{4}}{30}$	Stylodictya concentrica B.	See Q' $\frac{48\frac{1}{4}}{64\frac{1}{4}}$ and J' $\frac{55}{66\frac{1}{2}}$
4	$\frac{63\frac{1}{4}}{33\frac{1}{4}}$	Corodiscus verrosus B.	
5	$\frac{60}{71\frac{1}{2}}$		See B. $\frac{34\frac{1}{2}}{71\frac{1}{4}}$
6	$\frac{50\frac{1}{2}}{75\frac{1}{4}}$	Stylodictya polygonalis? B	with flexures & ands
7	$\frac{49}{78\frac{1}{4}}$	" marginata B.	with broad margin
8	$\frac{49\frac{7}{8}}{37\frac{1}{2}}$	Triceratium Parma B.	
9	$\frac{46\frac{1}{2}}{34\frac{1}{4}}$	Spongodiscus Crux B.	
10	$\frac{32\frac{1}{4}}{66\frac{7}{8}}$	Cornutella? obtusa B	bip new, See K' $\frac{31\frac{1}{2}}{82}$ for side view

T 1 No. 612

6ff Key. Ris cayne D Sth not marked

No 1	58/36 7/8	Pinnularia bifolia B. near a Dictyoche
2	65/77 1/2	Grammatophora incurva B.
3	56/45 2/3	[illegible] fragment too imperfect to be characterized
4	55 1/4/80 2/3	Dictyocephala araneosa B. fragment of head.
5	√54 1/2/29 1/2	Dictyospyris cordalis B
6	53 1/4/89 1/2	Pinnularia Lintriculus B. (a little bent) much granulated from rubbed
7	50/24	Porpeia quadriceps B. oblique view
8	33 1/4/80 1/4	Amphipentas ornata?
9	"	Biddulphia pulchella? pir two frustules

U' No. 613

Off Key Biscayne, depth not marked

No 1	69 / 71¾	Eucyrtidium ultum B	with long mouth	See X'
2	65½ / 69	Eucyrtidium simplex B.		See 1/2
3	56½ / 68	Histiastrum biceps B		
4	"	Eucyrtidium turgidulum B		
5	"	Placolites radiatus Ehr. Leiden		
6	58⅛ / 30⅓	Halionma opposita B		
7	46⅞ / 37½+	Podocyrtis Aegles Ehr		
8	41¾ / 35	Lithobotrys varians? B		
9	41½ / 31¼	Placolites radiatus Ehr.		
10	39+ / 86¾+	Eucyrtidium ampliatum B.		
11	38½ / 88¼	Halionma Bervesii Ehr.		
12	34¼ / 27¾	Diplospyris cancellata B.		
13	34¾ / 82⅞	Coscinodiscus Parma B.		
14	36+ / 87⅛	Euspodiscus radiatus B.		
15	"	Eucyrtidium	fragment SE of above	undetermined
16	32¼ / 41¾	Lithobotrys? spinigera B		
17	30½ / 87⅛	Diplospyris spinigera B		
18	30+ / 88¾+	Histiastrum biceps B.		
19	29½ / 86¼	Lithobotrys varians B		
20	28 / 21¼	Spongodiscus Crux B.		

No. 614

Coff Bay Biscayne — Depth not marked

No 1	63 / 75¾	Halimma circumlucens B	with many marginal spines
2	60 / 68½	Spongodiscus ferox ? B	
3	59¼ / 70⅛	Halicarya quadriforis B.	
4	57¾ / 72¼	Spongodiscus Saturni B	
5	57½ / 74¼	Histiastrum biceps B	
6	57 / 76½	Amphilethas cuspidatus ? B	
7	57¾ / 81	Eucyrtidium longidulum B.	
8	60½ / 88½	Chaetoceros falcatum B.	
9	55¼ / 81⅓	Haliarthrum complexum B	
10	55 / 81¼	Stylodictya concentrica B	
11	54¼ / 28¾	" "	
12	~~57 / 84½~~	57 / 84½ Halicarya ovata nidi mem	
13	47½ / 68½	Porpeia quadriceps B	near end of a large Biscuit
14	~~60¼ / 84½~~	60¼ / 84½ Spongodiscus radiatus B	
15	36 / 30¼	Pinnularia peregrina ?	
16	42¾ / 20¾	Lychnocanium paradoxum ? . .	fragment
17	52 / 65¼	Gyrosigma Sigma B . .	large sigmoid . Navicula Sigma ? Ehr
18	41 / 26¾	Halicalyptra ? hexagonalis ? B	
19	60 / 85	Haliomma bullosum B.	

W' No. 615

Position 17. 300 fathoms

No 1	60½ / 62¾	Aulascus pruinosus B.	
2	53 / 89¾	Dictyocha quadrata B	side view in the long spines (a Odontotaenia)
3	48½ / 76½	Histiastrum triceps	
4	44¼ / 83	Halionma Bereōis : Ehr	small one with large meshes
5	46½ / 86½	Actinoptychus	10 rayed

X' No. 616

Porlin 17. 300 Fathoms

No 1	65 1/8 / 68 h	Eupodiscus opacus B	Jayne on
2	55 1/4 / 25 1/3	Lithopora Threnologica B.	
3	50/2 / 25	Encyclidium simplex B.	good on
4	47 3/4 / 76	Hiskastrum triceps B.	well marking
5	43 1/4 / 74+	Eucodia gilla B	
6	38 1/2 / 68 h	Lithomelissa? parva B	
7	37 2/3 / 74	Triceratium Favus Eh	

Y' No. 617

Position 17 300 Fathoms

No 1.	57 / 76½	Stylodictya spiculifera B.	
2	36 / 71¼	Corvuletta clathrata B. profunda	
3	53½ / 63	Halisemma circumluens. B	variety with few ray
4	53½ / 65⅔	Camptylodiscus saxatus B.	
5	50 / 63	Halisemma. Apposita ? B.	
6	47⅞ / 66¾	Triceratium echinatum B	broken
7	44 / 64⅔	Histiastrum triceps	with cloud var.
8	45½ / 26⅞ (right hand shin)	Triceratium favus	Three Specimens of diff. sizes
9	"	Actinophychus	large one broken

Z No. 618

Position 17 300 Fathoms

No. 1	68 / 65¼	Actinoptychus	with air
2	65¼ / 68¾	Eucyrtidium acuminatum?	
3	65⅛ / 76⅔	= 0.	probably a Spongiolite
4	65 / 30	Coscinodiscus subtilis Ehr.	good one
5	63½ / 66	Lychnocanium trifenestratum B.	broken
6	61½ / 71¼	Podocyrtis Aegles Ehr.	
7	59 / 65½	Dictyospyris cancellatus B.	good one
8	〃	Halionma valida B.	on N.W. margin of same field
9	59 / 23	Halionma 〃	
10	58 / 24⅛	Haliarthrum	
11	58 / 27½	Orthocapsum spinosum B.	
12	57½ / 80⅘	Halionma aspera B.	
13	57 / 82½	(too imperfect to name)	curious fragment of a Polycistin.
14	48 / 75	Lithospera phrenobrycia B.	

A"

No. 619

Lot. B. I. Sands — Gulf Stream — Lec VIII — No 14 — Depth 400 Fathoms — Lat 33° 32'
Long. 76° 10' 15"

No 1 — 58/77¾ — Aulicus frivivorus B. — male one

2 — 57½/65¼ — Orthochopalum spongiosum B.

3 — 54¾/80⅛ — Chaetoceros falcatum B. — horn

4 — 50½/70 — Eucyrtidium turgidulum

5 — 46/66¼ — Hishastrum triceps B.

6 — 44¼/63½ — Halicorthum ampleum B

7 — 40/72½ — Halicomma offpoista B.

"B" No. 6 2/0

Gulf Stream Sect VIII Sta 14 460 Fathoms

No. 1 — 52 1/3 / 76 1/3 — Euspodiscus radiatus B.

2 — 44 / 22 1/2 — Stylodictya concentrica

3 — 41 / 64 1/2 — Stellate sponge spicule with furcate spines

4 — 34 / 50 1/2 — Halicarya erosa B. — oblique view

5 — 35 / 66 1/4 — Eucyrtidium compressum B.

6 — 32+ / 63 1/4 — Actinosphyctus — 8 rays

6" No. 621

Gulf Stream — Lee VIII — No. 14, — 400 Fathoms

52⅔ / 16⅛ Euspodiscus radiatus B. —
44 / 22½ Phytodictya concentrica Ehr. } error Mem. Lebny & Hyal. B.
41 / 64½

No 1. 66 / 80¼ Cornutella clathrata B profunda
2 62¼ / 65⅛ Amphora
3 64 / 63¼ — — —

D" No. 622

Gulf of Mexico! Sr. VIII No. 8 . . 138 fathoms

Light. pushing in natural state

No. 1.	68 / 83½	Eucyrtidium simplex B.	
2	67½ / 81½	Cornutella clathrata B profunda	
3	59½ / 67	Lithocyrtis? parva B.	
4	59½ / 26⅔	Synaptia	, calcareous plate of,
5	43 / 30	Asteromphalus	in clear space, surrounded by echinoid
6	42 / 17½		long cells of a Polycystamian shell
7	41 / 66½	Stylodictya concentrica B	small one
8	41½ / 14	Cornutella Fiscella? B.	
9	33 / 66½	Stylodictya irregularis B.	

"E" No. 623

Gulf Stream! Sec VIII — No. 3, 105 fathoms — Lat 24° 33'
Long 80° 43

(treated with cold Chloro-hydric acid)

No. 1	56 p / 69	Bacteriastrum
2	63 1/4 / 26 5/8	Asteromphalus
3	60 3/4 / 80 1/4	Histiastrum triceps B. — good one
4	60 3/4 / 80 3/4	Spongodiscus Crux B.
5	56 + / 67 -	Histiastrum triceps? B.
6	50 / 69 p	Stylodictya concentrica B
7	54 / 67 1/4	Coscinodiscus? a fragment undetermined
8	38 1/4 / 64 3/4	Bacteriastrum
9	38 / 71 1/4	Halionma valida? B.
10	32 7/8 / 78 3/4	Bacteriastrum

F 11 No. 624

Gulf Stream Sect. VIII No. 11. 510 Fathoms

Weight pictures in natural state

No 1	56½ / 61½	Healiomma Lymatkres B
2	47¼ / 80	Spongodiscus obscurus B
3	46⅞ / 81	~~Dictyophimus~~ Halicalyptra ? illis a B ... sp. nov

No. 625 Peleg. 4/27/1914

G 11

Gulf of Mexico, Sect VIII. No 8 138 Fathoms

Weight pictures in natural state

No 1	64 / 76	Lithocalyx obscura B.
2	54 7/8 / 72½	Asteromphalus
3	57 / 85	Spongo-discus Crux B.

"H" No. 626

Gulf of Mexico. Lee VIII No. 8 138 Fathoms Lat 26°20' Long. 84°41'

acted on by cold Chloro-hydric acid, and then by my chlorate process

No 1	66½ / 72¾	Haliclystra Plicatus B.
2	65¾ / 64¾	Eucyrtidium elongatum B.
3	63 / 78	Lithispera setogera B.
4	61¼ / 80⅞	Histiastrum Lambda B. ..... fine one
5	60¾ / 69¾	Eusodia gibba B. .....
6	61 / 67–	Cornutella clathrata Ehr 2 varieties in same field
7	60¾ / 65½	Spongodiscus centralis B. .....
8	59¼ / 72	Haliscarya duplex B with outer envelope, cuirass
9	59⅛ / 64¾	Eucyrtidium conicum B
10	59⅛ / 77¾	~~Haliscarya~~ Dictyospyris ~~cordata~~? B. ..... broken
11	59 / 85⅔	Coronosphaera Neptunis B
12	58¼ / 80¼	Lithispera? producta B.
13	56½ / 72⅛	Podocyrtis Aegles Ehr
14	55 / 72¾	Stylodictya concentrica B.
15	55½ / 64¼	Pterocodon stelatum B
16	"	undetermined
17	54 / 17⅛	Pterocodon? tenuis B
18	52¾ / 28	Spongodiscus Crux B.
19	51½ / 74¼	Haliasthum amplum B middle portion only
20	50¼ / 72¼	Stylodictya concentrica B. fine one
21	49⅞ / 72¾	Lithobotrys prominens B.
22	49 / 74	Podocyrtis decurrens B.
23	50 / 60	Lithobotrys prominens B.
24	50 / 64½	Halicinna Panopsis small.
25	46⅞ / 70¼	Haliasthum amplum B good one
26	43 / 67	Lithocircus falcatum B.
27	42 / 63	Eusodia gibba B.
28	40 / 67	Halicinna validus B
29	39 / 25⅞	Eucyrtidium compressum? B
30	38 / 74	Podocyrtis decurrens B
31	34 / 64¼	Histiastrum triceps B
32	54¾ / 79	Haliclystra? ——— ? ... bit of net work with teeth
33	33 / 70¾	Haliasthum complexum B good one

J" No. 627

Gulf of Mexico Soc VIII. No 8 138 Fathoms

No. 1	67¼ / 74	Eucyrtidium ~~impedens~~ impedens B.	a fragment
2	63 / 78	Cadium marinum B. (κάδιον = a small cask or canteen)	Small oval body with lines.
3	59 / 87¼	Podocyrtis Aegles Ehr	lichen
4	58 / 77¾	Halicalyptra Celasus B	fragment of a large one
5	57 / 75¾	Cenosphaera spinosum B	
6	55¼ / 78	Eucyrtidium curvitum ? Ehr	with curved lines
7	55 / 74½	Podocyrtis decurrens B.	
8	54¼ / 63¾	Navicula cristata Ehr.	
9	50 / 76	Spongodiscus Crux B	
10	45¼ / 83¾	Chaetoceros porrectum B (structure int.)	with retroverted horns
11	42¼ / 64⅓	Halicalyptra Pleadida B	fragment of a ring
12	41 / 73½	Carpocanium Trigum	
13	39 / 69¾	"	new to the Gulf
14	33¾ / 75½	Halicinma validum B.	
15	46 / 76¾	Asterolampra	two valves overlapping, Green a coarse net work and S.W of a straight rod
16	54⅞ / 77⅓	Asteromphalus	with zig-zag rays, clear to W end of a dark spot and S.E of a Spongodiscus
17	54 / 80	Rhizosolenia bispectra B.	two specimens
18	49¾ / 84¾	Asterolampra	two valves overlapping N.E of a bit of lampblack
19	48 / 62¼	Asteromphalus	fine one, touching a small brown spot,

J 11 No. 628

Gulf of Mexico Sec. VIII No 8, 138 Fathoms

No 1	45+/68-	Bacteriastrum
2	44/76+	Eucyrtidium Tritonis R.
3	64/28 3/4	Lithospira setifera R. ... good one
4	62/66 1/4	Halicarya rotundata R
5	57 7/8/61	Halicalyptra splendida R fragment of meeting of two rays
6	58/76 3/4	Rhaetoceros falcatum R ...
7	57/64 1/2, 51 1/2/64 1/2	Rhizosolenia trigonetra R. ...
8	58-/25 1/4	Halicalyptra Petasus R. ... broken
9	57/29 3/4	Halistrapka contorta R. ... with spiral arrangement, curious (στρόφη = twist, turn, twisting)
10	56/62 3/4	Histiastrum canadense R.
11	54 3/4/22 1/4	Asteromphalus ... N. of a bunch Black Rocks
12	54/84 3/4	~~Halicalyptra~~? Lecanocalyx ~~Stauroptera~~ R, Solenosolenia Rhizosolenia Bk " " great See V 51/68
13	52 7/8/79	Asteromphalus S of a bunch Rock
14	53/65	Asterolampra! N.E. of a bit of Sand Bank
15	53/82 1/2	Asterolampra broken, just N. of 1 " "
16	52 1/8/23 1/4	Eucyrtidium acuticum? Ehr ... within the lines in center of ...
17	50 1/2/74	Rounded Plate with irregular outline
18	50 3/4/77 3/4	End of cell of Triplaria?
19	46 3/4/64 1/2	Stylodictya polygonalis? R. ... with long lines
20	44 1/2/30+	Plectaspyris cancellata R. ... see U. 37/64
21	32 1/4/60 1/4	Halicalyptra? fragilis R.
22	43 1/2/78 3/8	Asteromphalus central portion, N.E. of a bit of Sand Bank E of a separate Bank

"E" 11 No. 629

Gulf of Mexico Sec VIII No. 8 138 Fathoms

No 1	65 / 62 7/8	Dictyocephala rancosa ? B	Curious net work
2	67 / 22 7/8	" "	"
3	57 1/4 / 73 1/8	"	" ocelled forms ?
4	68 / 71/8	Bacteriastrum	
5	62 7/8 / 75 1/4	Schaetoceros ? tetrachaeta ? Ehr	small W of a yellowish filament and close to a black speck
6	65 / 76	Asterolampra	fine one
7	62 / 21 7/8	Eucyrtidium curtum ? Ehr	
8	57 7/8 / 62 1/4	Halimma circumlucens B	
9	56 / 68 7/8	Podocyrtis decurrens B	Allyne new
10	55 / 65 1/2	Stylodictya irregularis B.	
11	54 1/2 / 28 1/2	Halicarya quadriforis B.	
12	53 3/4 / 23 7/8	Ewodia gibba B.	
13	57 / 62 1/2	Asterolampra	

"L" No. 630

Gulf of Mexico Sec VIII : No 8 138 Fathoms

No 1	68¼ / 21¼	Halicalyptra Pelasius B. ..... very fine one.
2	68 / 65	Chaetoceros ? Tetrachaeta ? Ehr ..... a fine broken
3	66⅞ / 15¼	~~Rhizosolenia~~ vanguta ? Camperi ? ..... Allyne view ..... new ?
4	65 / 67¼	Chaetoceros porrectum ? B new ? Allyne new, bearing a list of Amphitetras
5	44 / 21	Halicrinna opposita B.
6	33¾ / 60	Actiniscus Pentasterius ? Ehr ..... a common form

M" No. 631

Gulf of Mexico, Sec VIII No. 8 138 Fathoms

No 1	61 / 60 7/8	Actinophalus	partly obscured
2	59 / 79	Halionema	undetermined large one broken, nucleus and rays gone
3	56 1/3 / 61	Coscinodiscus ? lineatus	deformed obovate
4	56 1/4 / 76	Asterolampra	broken N of a blue fibre
5	55 1/4 / 17 3/4	Coronatella ? obtusa B	oblique view
6	55 1/3 / 26 3/4	Pommatia musica ? B	small
7	54 / 77 1/2	Lithobotrys spinifer B.	
8	52 1/4 / 80 2/3	Chaetoceros ? porrectum ? B.	
9	52 1/8 / 69	Hyalodiscus radiatus	large one
10	52 1/2 / 72 7/8	Chaetoceros tetrachaeta ? Ehr.	just above inters. echin. of two threads
11	46 / 79	Ceratium	cast of cells
12	46 / 67 7/8	Encyrtidium	
13	45 / 81 1/2	Ceratospyris parva B	as C 54 / 78 1/4
14	44 / 61 1/4	" "	oblique
15	54 1/8 / 78	Asterolampra	SE of Y and near a rough granule

N° 11 No. 632

Gulf of Mexico Sec VIII° No 8 .. 138 Fathoms

No 1	58' 2/3 / 29/32	Hyalodiscus radiatus B	
2	41 / 61 1/4	Amphispentas ornatum Bailey	
3	48 / 72	Actinoptychus	fine one, touching a long thread. notice the dotted plate behind it
4	45 / 62 1/4	Diplospyris cancellatus B	good one
5	40 1/4 / 84	Stingodiscus Crux B.	

"O". No. 633

Gulf of Mexico — Sect. VIII. — St. 8. — 138 Fathoms, — last five portions

No 1. $\frac{61/4}{80\div}$ Asteromphalus

2 $\frac{56/4}{81}$ Eucyclidium Lunzianum? fragment

3 $\frac{56/8}{77h}$ Stellarampora — — — — — — — — 8 of a black spot

4 $\frac{42}{68\ 3/4}$ — — — — — undeterminable, fragment of an oval punctate shell of a Diatom

P[11] No. 634

Gulf of Mexico — Sec. VIII — No 8 — 138 7 athms

No 1	12 3/4 / 28	undetermin able	
2	14 / 35 7/8	Schizodrys foraminosa B.	
3	57/8 / 30 3/4	Asteromphalus	touching one end of a long fecal
4	54 7/8 / 18 1/8	Hyalonema	side view
5	54 / 25 3/4	Chaetoceros porrectum? B	fragment of the horns with lateral setae

"Q" No. 635 Last Light photo

Gulf of Mexico Sect. VIII No. 8, 138 Fathoms

No 1	65 1/8 / 21 1/8	Halicarya quadriformis B.		good one
2	58 1/4 / 76 3/4	Asteronyphalus	broken	N & A 2 black spots S E " 2 brown "
3	41 1/4 / 24 1/2	Histiastrum princeps		good one
4	35 3/4 / 29	Haliarthrum complexum		
5	49 3/4 / 76 1/2	Chaetoceros ? tetrachaeta ? Ha		W E of an Actinocyclus

R" No. 636

Gulf of Mexico - Sec VIII No 8 - 138 Fathoms - - - (last light portion - -

No 1	55¼ / 82	Lithospira cancellata B	
2	48¾ / 64¼	Chaetoceras - porrectum B	- - with recurved horns
3	62¼ / 65¼	Asterolampra - - - - - - - - - - - -	2 valves overlapping, E of 2 specks
4	62 / 40	Chaetoceros? ~~porrectum~~ tetrachaeta? Ehr	with 4 setae, touching a bit of Synedra
5	66¼ / 74	Lithobolon frumineus R.	
6	"	Actiniscus Pentasterias Ehr.	
7	50 / 23	Synedra	band view
8	38 / 62½	Asterolampra	S of the point of a black mass
9	38⅛ / 67	Asterolampra - - - - - - - - - - - -	SE of 3 dark specks SW of a round grey mass.

"S" No. 637

715 Talk 39° 55 N. 70° 06 W

29¼ / 29¾ Eucyrtidium

"T" No. 638

715 [illegible] 39° 55 N. 70° 06 W

47 / 70¾ Cornutella clathrata β profunda

~~X~~" U" No. 639

715 Fath ..... 39° 55 N 70° 06 W

55½
80

Disc like Euspondiscus without pet.

V" No 6440 ... [640A AKEdgar 9/1977]

715 Fath ... same as above.

~~52¼~~
~~97~~ Eucyrtidium
~~56~~
~~27~~ Flustrella

new: "belong to W"

11 11 26 640 [illegible]

52/4 Eucratidium
67
26 Flustrella
21

A 11

Slide A'A' No. 6441

1200 Fathoms

No 1	58½ / 74		
2	58¼ / 75¼		fragment with large meshes
3	58 / 77½	Eucyrtidium	large meshes good one
4	57¼ / 79⅛		fragment
5	55¾ / 68	Lecanodiscus	good one.
6	54 / 78¼	Spongodiscus	" "
7	53¾ / 82	Eucyrtidium	good one
8	53½ / 70 , 66⅛ / 64¼ , 39 / 30		Small round body
9	57¼ / 28	Eucyrtidium Tritonis H.	
10	50 / 28	"	large meshes
11	47¾ / 84	Cornutella clathrata B. profunda	
12	48⅛ / 29¼	Eucyrtidium	
13	48 / 60¾		
14	46 / 31⅓	Lecanodiscus	large one
15	39 / 62⅔	Eucyrtidium	with contracted base
16	43½ / 81⅓	Lithobotrys	
17	41⅞ / 75¾	Eucyrtidium	
18	34¾ / 27¾		
19	"	Halicinma	
20	70¼ / 71⅛	Cornutella Atlantica H.	
21	70⅓ / 63¼	Eucyrtidium	
22	64¼ / 65	Halicinma	
23	68 / 76⅔	Cornutella	good one
24	64 / 79⅞		
25	68¾ / 80⅛	Eucyrtidium	
26	66¼ / 80	"	
27	67 / 72	Ewodia gibba H.	branching a Lecanodiscus
28	66 / 62⅔		fragment
29	66½ / 67½	Lecanodiscus	
30	63 / 75		
31	64 / 65⅔	Lithobotrys ?	
32	62⅛ / 65		

continued on next page

Slide A A' continued from last page

1200 fathoms

No 33	62/65	D	fragment
34	"	Eucodia gibba	N. B. The Surirella near this was accidentally introduced and does not belong to these soundings
35	61½/72¼	Podosphenia?	
36	61½/76½	Podosphenia	
37	60⅞/71⅞	Coscinodiscus	
38	"	Dictyocha	with long spines, just above the last
39	60½/74⅞	Hemiaulus Polycistinorum B.	fragment of margin
40	58½/60		

"B'B' No. 642

2000 Fathoms 54°17' 22°33'

No 1	72¼ / 71¾	Eurdia gibba R.
2	67¾ / 74¾	[illegible] N.B. The Gallionella were it does not belong to these gravidings, but was introduced accidentally.
3	65 / 64⅛	Corneletta [illegible] fine specimen
4	"	
5	62¼ / 72½	" "
6	60 / 29	Coscinodiscus
7	60⅛ / 62	"
8	49½ / 62¼	Eucyrtidium
9	41¾ / 24½	Coscinodiscus
10	38½ / 27¼	Eucyrtidium
11	31½ / 23	"

C'C' No. 643

1200 Fathoms

No 1	57 h / 75 h	Bacteriastrum	touching the upper end of a thread
2	57 / 87	Eucyrtidium ?	
3	57 3/4 / 72 h	Coscinodiscus	
4	56 3/4 / 54	Stylodictya ? irregularis Ost.	
5	53 3/4 / 90	Sponyodiscus	
6	4 / 51 h	"	small fragment

D'D' 1200 Fathoms No. 644

No 1	64+ / 75	Cornutella Atlantica B	
2	"	Actiniscus	S.W. of preceding
3	58 / 69 h		
4	53 3/4 / 63	Eucyrtidium	
5	53 / 74 h	"	
6	"	Lithocampe	
7	"	▽	near upper end of the Eucyrtidium
8	51 / 63	Sponyodiscus	good one
9	43 / 21 h	Cornutella clathrata B. profunda	
10	40 / 28	Coscinodiscus	

E'E' No 645

2000 Fathoms 54° 17' N 22° 33' W

N. B. Some fresh water forms on this slide were accidentally intermixed with the Labrum

No 1	65¼ / 69	Actiniscus	in line with 2 brown Orbs
2	65¾ / 69¼	Coscinodiscus	
3	64¼ / 63⅔	Eucyrtidium	
4	64 / 24¾		
5	62½ / 65½	Eucodia gibba	in N.E.
6	"	Coscinodiscus	just below
7	"	Eucyrtidium	in S.E.
8	"	Podocyrtis?	& SW a fragment
9	63¼ / 77¼	Coscinodiscus excentricus	
10	55⅛ / 76¼	Spongodiscus	
11	53 / 72¼		
12	52 / 69	Coscinodiscus	
13	52 / 71½	Lithospera?	Three Specimens
14	52 / 77⅓	Bacteriastrum	?
15	50 / 75¼	Coronatella?	Top view
16	"	Eucyrtidium	
17	47¾ / 75⅛		
18	46½ / 75⅛	Spongodiscus	N. B. The Sacrielle Spherodiscus, those Gs is accidentally
19	45¾ / 71¾		fragment
20	43¾ / 64½	"	small Polycistina.
21	43⅞ / 66⅞	Coronatella Atlantica R.	var nudata
22	40¼ / 77⅞	"	x
23	31 / 63¼	Peristephania?	

F F No 646

2000 Fathoms 54° 17′ – 2° 33 W

50/63 Halicnema

fragment on right of above

GG' No 647

1360 Fathoms .. 44° 41 N 24° 35' W

N.B. Some fustules of Actinanthes ... on this slide, got in with the Balsam ...

No 1	59 / 80 3/4	Halicmma	
2	56 1/4 / 74 7/8	Eucyrtidium	
3	56 1/4 / 74	Actiniscus	seen sideways
4	56 1/2 / 71 2/3	Eucyrtidium	
5	"	Halicmma	a fragment
6	56 / 76 1/4	"	a nucleus?
7	54 1/4 / 80 1/4	Halicmma dyssphos? Ehr.	
8	"		Small Polycistin. SE of above.
9	53 3/4 / 77 1/4		serrated spicule
10	55 1/4 / 71 1/4	Histiastrum Lamb-da? B	fragment
11	53 1/4 / 79	Cornuletta clathrata B. profunda Ehr.	
12	56 1/4 / 75	Carpocanium?	
13	56 1/4 / 65 -		
14	48 / 70 2/3	Podocyrtis?	fragment
15	46 1/2 / 76 1/6		straight spongy rod
16	45 3/4 / 75 2/3		
17	44 1/2 / 69 2/3	"	"
18	40 1/2 / 82	Halicmma	

January 24 1878

H'H' 2700 Fath No. 648

2700 Fathoms Lat 56° 46' N Long 168° 18' E Sea of Kamtschatka

1	65 / 62¾	Asterophalus Brookei B.	obscured SW of ½ a Coscinodiscus
2	57½ / 62½	" "	whole one seen obscurely
3	59½ / 67⅛	" "	
4	"	Cornutella	& of above
5	52⅛ / 62⅛	Periclamidium venustum B.	fine
6	52⅛ / 62⅛	Halicalyptra cornuta B.	"
7	64 / 66	Eucyrtidium hyperboreum B.	one
8	60+ / 73¼	Ceratospyris	

J'J' No. 649

2700 Fathoms , . same as H'H'

12/64¼ Podocystis.?

35⅞/30¼ Diffugia? marina B. Small Cagenoid body

52⅞/66¾ Asteromphalus Brookei B

48¼/63 " " broken but good

51¾/60¾ Pleurospyris

J'J' No. 650

2700 Fathoms , same as H'H'

47⅞/79½ Cornutella clathrata β profunda

60⅞/75½ Hahcalyptra? cornutta B with 2 spines

49¾/71½ Cornutella annulata B.

49¼/85¼ Coscinodiscus large radiate

46/86¾ Hahcalyptra? cornuta B top view in a mass close to edge of glass

44½/79 " Skyne view of different species

K' K' No. 651

2700 Fathoms same as H K'

56 1/8 + 69 3/4	Dictyophimus ?	top view
52 1/8 73	~~Staurodictya~~ Staurodictya stellata B	new
"	Rhizosdenia hebetata B.	Many specimens in same field
52 1/4 73 3/4	Periphlamidium	
40 1/8 61 1/8	Energlidium	
36 1/2 63 1/2	Cornuteila	new
44 25 7/8	Periphlamidium	Secured
53 1/4 30	Cornuteila clathrata . . . β profunda Ehr	

L'L' No. 652.

2700 Fathoms same as H'H'

57/79¾ Asteromphalus Brookei B.

M'M' smaller side No. 653

2700 Fathoms same as H'H' in natural state with the grease of the lead

N N No. 654

1700 Fathoms. July 26, 1875 Lat 60° 15' N. Long 170° 53' E Sea of Kamtschatka

1	56¼ / 62⅞	Chaetoceros furcillatum B.	N of a Coscinodiscus SW of a red spot.
2	58¼ / 64¼	" "	Algae view. good. W of a large Coscinodiscus S of a small one
3	69½ / 73	Asterompalus Brookei B.	2 valves overlapping. all alone
4	61½ / 64	Actiniscus	5 rays
5	57 / 207/8	Coscinodiscus	valve Grids Ehr. good one
6	55 / 207/8	Syndendrium diadema Ehr.	
7	53¾ / 70¼	Chaetoceros furcillatum B.	side view W of a rectangular fragment
8	54 / 64¾	Rhizosolenia hebetata B	
9	40 / 51¼	Asterompalus Brookei B	21 minor?
10	40½ / 49¾	Denticella? aurita Ehr. (Coronella?)	
11	"	"	small one SW of above near margin
12	40½ / 75	Asterompalus Brookei B	good
13	59⅞ / 70	Rhizosolenia hebetata	2 specimens
14	24½ / 30¼	Denticella?	
15	55 / 81	Asterompalus Brookei	W of above
16	56⅛ / 67⅞	Dictyophimus gracilipes B	
17	35 / 68¾	Eucyrtidium	like E. hiulcus, with a very long curved filament at the end

66 No. 655

1700 Fathoms same as N'N

1	52 3/4 / 84 3/4	Asteromphalus Brookei B	on rt. l. of group just above Lasc. oculus iridis
2	"	Coscinodiscus Oculus Iridis	S of above
3	"	Rhizosolenia Hebetata B.	N W. of last
4	55 1/8 / 71 1/4	Eucyrtidium lineatum ?	
5	51 1/8 / 85 1/8	" ?	? lineatum
6	43 1/8 / 01	Plectrotypris	nov sp? discard
7	"	Dictyocephalus ?	head of one close to last
8	39 3/4 / 28 1/4	Coscinodiscus oculus Iridis &c.	
9	37 3/4	Eucyrtidium hystrix B	lineatum ?
10	35 / 61 1/8	Coscinodiscus oculus Iridis	good one
11	24 / 61 3/4	Dictyocephalus ?	portion of net.

'P' No. 656

1708 Fathoms same as 'N' Sea of Kamtschatka

1	43 7/8 / 84 3/4	Asteromphalus Brookei B	2 valves
2	40 1/2 / 83	Perichlamidium	
3	58 / 21	Coscinodiscus?	side view showing bars & the ring
4	34 / 28 1/4	"	" "
5	68 1/2 / 72 1/8	Denticella?	near a Coscinodiscus Argus?
6	69 1/4 / 27 7/8	Coscinodiscus radius Iridis Kr	
7	69 3/8 / 81 1/8	Asteromphalus Brookei B	
8	66 1/4 / 64 1/8	Coscinodiscus	like C. radius iridis with larger cells
9	65 1/8 / 69 1/2	Asteromphalus Brookei B	
10	65 1/8 / 67 1/2		Small pyriform Objects with spines
11	62 1/4 / 26 7/8	Cyclotella?	rare
12	60 1/4 / 71 1/8	Coscinodiscus radius Iridis Kr	good one
13	60 1/8 / 64 1/8	Cornutella annulata B.	
14	58 / 84 -	Coscinodiscus	large one, radiates?
15	55 3/4 / 73 1/2	Encyrtidium hyperboreum B	
16	54 1/8 / 63 1/4	Cornutella clavata, 3 [illegible]	2 of [illegible]
17	56 1/4 / 17 1/4	Coscinodiscus	with fine rays & of a bit of Encyrtidium
18	55+ / 24 1/8	Dictyocha	new? & of a broken Coscinodiscus
19	53 1/2 / 58	Haliculyptra cornuta B	with 2 spines
20	52 1/8 / 80	Denticella	small one
21	50 3/4 / 70 1/4	Cornutella annulata B.	good one
22	48 3/4 / 74 1/4	Denticella	small one
23	39 1/2 / 72 3/4	Cadium marinum B.	
24	38 1/4 / 62 1/4	Asteromphalus? Argus B	
25	"	Dictyophimus gracilipes B	[illegible]
26	"	Haliculyptra cornuta B	N. 17 of above
27	37 / 64	Perichlamidium venustum	fine one
28	37 3/4 / 63 1/4	Spongodiscus?	with long spines and a tube
	42 3/4 / 27 3/4	Perichlamidium venustum B	good
	35 1/8 / 70 3/4	Asteromphalus Brookei	& of Cosc. cc. iridis
	57 1/8 / 74 1/4	Syndendrium diadema	& of upper part of a long crooked horn
	53 1/8 / 74 1/4	"	"

Q'Q' No. 657 [657.1 PKEdgar 9/1907]

1700 Fathoms - same as N'N' light portion

1. 45/65¾ Asterosphaera Brookei B. a perfect specimen

38¼/62½ " " central portion

58/67 Rhizosolenia hebetata B. with cylindrical portion

37¾/77¾ Gyrosigma small

" Asterosphaera Brookei B. SW of last central portion

[657 = PKEdgar 9/1907]

No 657 Q'Q' a, small disk Missing

1700 Fathoms same as N'N'

No 658 R'R' small slide (Hmeaning)

900 Fathoms, temp (deep sea) 32° Saylor, July 28/55 Lat 60°30' Long 175 E. Sea of Kamtchatka

[658B RKEdgar 9/1977]

No 658A [658A RKEdgar 9/1977]

Atlantic Ocean R'R' Large Slide 2000 Fath 54° 17 N 22° 33 W

5 1/2 / 7 1/4 Coscinodiscus 2 specimens

50 2/3 Encyclodeum frust

40 1/4 / 71 Eurdia gibba

S'S' No. 65g

900 fathoms same as R'R'

S 5 No. 660

900 Fathoms (same as R R')

1 5 5½ / 80 7/8 Asteromphalus Brookei B . . . N. of a fasciculus oculus Iridis

2 68 / 28 7/8 Rhizocalyptra . . . sponge head

3 66 / 82 Cyathotella sertenuis B. . . . very faint, near two reclangular lits

4 95 / 98 " " . . . . . "

5 63 7/8 / 61 3/4 Actiniscus . . . 5 rayed near a Rhizosolenia

6 63½ / 69 1/4 Fasciculus . . . . . ~~oculus Iridis~~?

7 56 / 80 7/8 Encyrtidium tuzzidulum?

8 24 3/4 / 90 1/2 " hyperboreum B. Encadium?

9 27 / 81 7/8 Dictyocheinus?

10 33 7/8 / 7/4 Encyrtidium hyperboreum B. 2 specimens

11 " Rhizosolenia hebetata B " " SW of above

12 81 7/8 / 95 1/4 Fasciculus oculus Iridis Ehr.

U'U' No. 661

900 Feet more (same as R'R'.

42 7/8 Circulo Agris?

63 Physodinus: size me
79 1/4

V'V' No. 662

900 Fathoms — same as R'R' — guide lines on wrong side

W'W' No. 663

900 Fathoms . same as R'R' (recorded by position of edges of slide)

N.B. The guide lines being ruled on the wrong side have not been used, but the record was made by means of the ~~other and near~~ edges of the stars, the error being to the left and under N.

1	18¾ / 108⅞	Asteromphalus Brookei B.	good one
2	13 / 91	Gyrosigma	very thin
3	25½ / 29½	Asteromphalus Brookei B	
4	40 / 109½	Coscinodiscus Oculus Iridis Ehr	
5	21⅛ / 109⅛	Rhizosolenia hebetata B.	several diameters
6	25⅛ / ~	Coscinodiscus oculus Iridis Ehr	
7	37⅞ / 134¾	" " "	with another (C. Argus?) like an ellipse

: X' X' No. 664

900 Fathoms .. same as R' R'

1 ___ 62 3/4 / 68 1/2 Encrytidium

2 ___ 57 1/2 / 17 3/4 Dicladia Mibra ?

3 ___ 36 1/2 / 81 1/8 Encrytidium ... like No 1 ?

Y'Y' No. 665

900 Fathoms same as R'R'

1	65 7/8 / 21	Halichondria	small one with Spines
2	63 1/2 / 25	Haliculyptia cornuta B	2 known
3	60 / 62 1/2	Corcinodiscus	5 Specimens in same field
4	53 1/4 / 72 1/4	Asteromphalus Brookei B.	
5	54 / 73 1/2	Ethmodiscus Hyperboreum	
6	50 / 1,11 1/4	Coscinodiscus oculus Iridis Ehr	
7	48 1/8 / 77 1/2	Corunella cornuta B	
8	44 1/4 / 70 1/4	Coscinodiscus	2 Specimens
9	41 / 26 1/4	Lithobotrys inflatum B	[illegible]
10	40 3/4 / 62 1/4	Lithodictya	[illegible]
11	40 3/4 / 75	Triceratium	
12	38 / 22	Coscinodiscus oculus Iridis Ehr	
13	" / 35	"	[illegible]
14	35 1/8 / 74	Dictadia Mitra B.	
15	31 3/4 / 81	Lithobotrys	

Z'Z' No. 666 2 slides

Mud from head of a whale captured in Okhotsk Sea. Lat 57° 28' N. Long 151° 20' E

W'a. No. 666/2. [See No. 665 RLE 4/1977]

Sec VIII. 200 Faths. Boiled in HCl vol

W'b. No. 667

200 Fathoms Boiled in Conc HCl.

W'c No. 668

200 Faths. acted on by Conc HCl. then ignited then heated with KOH

Berryman's Soundings
between America and Ireland in 1856

Cat. No. 669 / Berryman's Sounding No 1, 47° 50' N, 32°, 00' W. Depth 96 Fath

No. 670 Berryman's No 2, (light boats) 48° 00' N. 51° 41 W 151 fath

Cat. No 671

Berryman No 3 48° 13' N 51° 20 W 98 Fath

No 672

Berryman No 4, light parts 40° 27' N 50° 58 W 85 Fath

71½ 71¾	Coscinodiscus	broken at top	71½ 71¾
	" crassus? B		71 63½
	Synedra	N.W of Cast	"
	Coscinodiscus	cribus inibis	70 75¼
	Chaetoceros boreale B		69 73¼
	" furcillatum B	N. of Cast	"
	"		68¾ 72
	Actiniscus	5 rays	66 69
	Chaetoceros furcillatum B	2 specimens N of Cast	"
	Coscinodiscus	large one	65½ 75½
	Chaetoceros boreale	fragment N of 2 spicules	65¼ 67¾
	Coscinodiscus	good	65 69
	Rhizosolenia	in a crowd	61¾ 61
	Chaetoceros boreale B	fragment	60 76½
	Ceratospyris?	"	59 70
	Actiniscus		56¼ 68½
	Coscinodiscus	fine one	55 80¾
	Chaetoceros boreale? B	with one long horn touching a Synedra	46½ 65¾
	Dictadia Mitra? B	S of a brown Cast	44 74¼
	Polythalamian shell, membrane of		42¾ 71½
	Coscinodiscus	good one	40½ 74
	Grammatonema?	membrane of	38¼ 60½
	Rhizosolenia decurrens B.	nov. sp	37¾ 60¼
	Coscinodiscus borealis B	good	35¾ 25½
	Rhizosolenia decurrens B.		34½ 61¾
	" "	SW of a shell	34¼ 62½

No. 673

Berryman No 5 ... 42° 40' N 50° 36 W. 120 Fath

44/70½	Coscinodiscus borealis B		44/70½
	" crassus "		69½/79¾
	Spongiolites bicaps B	n. sp	70/69
	Denticella acuta Ehr	deformed	67/85¼
	Actiniscus		63½/73
	Coscinodiscus Borealis B	fine	65/28
	Lagena?		63/88¼
	Spongiolite		62½/84½
	Stephanoconus?		58/82¾
	Tessella cubina?		40½/80½

No. 674

Bowman No 6 light parts, natural clr 48° 51' N 50° 10' W 1100 Fath

1	Coscinodiscus borealis B		52¼ / 69¾
2	" ... oculus iridis Ehr		6– / 69¼
3	" crassus? C. borealis without star?		67¾ / 69
4	" "		67 / 73¾
5	Stephanopyxis Ehrenbergii B. n. sp		67 / 26¾
6	Coscinodiscus borealis B	fine one	66½ / 80
7	Eucyrtidium auritum? Ehr		64¾ / 68
8	Coscinodiscus borealis B	fine	64½ / 75¼
9	Stephanopyxis Ehrenbergii B	2 specimens	62¾ / 69
10	Rotalia levis B n. sp		62½ / 72¼
11	Stephanopyxis		61 / 71¼
12	Coscinodiscus borealis B	good	60½ / 65¼
13	Rotalia levis B.		59¾ / 74¼
14	Coscinodiscus oculus iridis		59½ / 80
15	Stephanopyxis Ehrenbergii		58½ / 69¼
16	Xanthidium		57½ / 83
17	Stephanopyxis Ehrenbergii B		56½ / 60¼
18	Coscinodiscus borealis B.		55½ / 71
19	Stephanopyxis Ehrenbergii		53 / 64¼
20	" "		50 / 62½
21	Eucyrtidium auritum Ehr		49¾ / 70½
22	Coscinodiscus borealis B.	good	43¾ / 21½
23	Stephanopyxis Ehrenbergii B		41¼ / 28½
24	" "	with spinose apex	37½ / 68
25	Coscinodiscus oculus iridis Ehr	large	36 / 25
26	Grammatophora?	end view	36 / 62½
27	~~Coscinodiscus ocellus~~ or	Polytrelamina Bell	36¾ / 69
28	Coscinodiscus oculus iridis Ehr	good	34½ / 64¾
29	" borealis	"	33¼ / 80
30	Stephanopyxis Ehrenbergii		32½ / 60¾
31	Eucyrtidium auritum Ehr		31¼ / 62
32	Stephanopyxis Ehrenbergii B	touching Cat	"
33	Rotalia		30¾ / 64
34	Coscinodiscus crassus		30 / 70¼

No 674 Berryman No 6 natural slate 48° 51 N 50° 10 W 1100 F.

No 675 Berryman No 7 natural slate 50° 05' N 40° 26 W 1500 Falk

No 675 Berryman No 7 light-boat 50°.05' N., 40°26' W 1500 Fath.

No. 676 Berryman No 8, a, natural Rock 50°20' N 88°30' W 1564 Fath.

No 677. Bowman No 8, b. Light parts. 50° 20' N. 38° 36' W. 1564 Fath

58 62½	Eucyrtidium		58 66½
	Eucyrtidium		62 76½
	"		43¼ 64¾
	Grammostomum	N. E of last	"
	Cornutella		39¼ 72½

No. 678 [678A RLEdgar 9/1977]

Berryman No 8 c with acid, light part 50° 20' N 38° 30' W 1564 Fath

Coscinodiscus borealis B		51¾ / 72½
Flustrella concentrica? Ehr		57½ / 84¾
Coscinodiscus		61 / 73
Eucyrtidium		61¾ / 6[illegible]
Coscinodiscus borealis B.		60½ / 68
Eucyrtidium		59½ / 65¾
Coscinodiscus borealis? B		58 / 71½
Flustrella concentrica Ehr		57¾ / 85
Coscinodiscus borealis B	good one	55½ / 76½
" "	"	51¾ / 72¾
"		50½ / 62
Cornutella clathrata, β profunda Ehr		42 / 74
Halimma apposita B		39¾ / 79½
Caenosphaeria Plutonis? Ehr		38¾ / 89½
Halimma		36 / 76

[678B RLEdgar 9/1977]

Berryman No 8 d. with acid, light part 50° 20' N 38° 38 W 1564 Fath

No. 679

Berryman No 8 e, treated with HCl acid

Coscinodiscus borealis B	bottom	49/77½
Eucyrtidium		56/75
"		64½/81
"		63/79¼
"		61/67½
"		60¼/78¼
Coscinodiscus borealis B	good	59/70
Eucyrtidium		60/28
Halicarya crosa B		55/60
Rhizosolenia decurrens B	SW of Castle, looking N.	"
Flustrella		54/82½
Halicarya	NE of Castle	"
Coscinodiscus	SE of Castle	
Podocyrtis		39½/80½
Spongodiscus		49½/29
Eucyrtidium		59/80½
Cannobotta clathrata B profunda Ehr		"
Eucyrtidium		59/84

No. 680

Berryman No 9a natural stat 50° 44' N 37° 15' W 1600 Fath.

No. 681

Berryman No 9 b. with acid 50° 44' N 37° 15' W

No. 682

Berryman No 9 c, with acid, lighted part ... 50° 44' N 37° 15' W 16007

Coscinodiscus	broken	43¾ / 64
Cadium		58¾ / 74
Coscinodiscus		58 / 27
Rhizosolenia decurrens B		58¾ / 64½
" " "	S E of Cast	"
Coscinodiscus	seen diagnely	58 / 20¾
Coscinodiscus borealis B	fine	58 / 27
Cadium		56¾ / 26
Halimma		56¼ / 60¾
Halicarya		56 / 64
Coscinodiscus		54½ / 65¾
Quinqelocaulina ?	membrane of,	52 / 28¾
Halimma oppsita B.		51¾ / 26½
Cadium ?	on E of count	48¾ / 61½
Dictyophimus		48¾ / 76¼
Actiniscus	5 rays	48¼ / 74
"	N. E of Cast	"
Encyrtidium uvitum ? Ehr		47 / 73¼
Cadium		47¼ / 73
Rhizosolenia decurrens B	2 Specimens	45¼ / 63
Coscinodiscus borealis B	good	41¾ / 66½
Halicalyptra ?		41¾ / 62¼

No. 683

'Berryman No 9 d, with acid, light part ... 58° 44' N 37° 15' W 1600 Fath.

No 684

Bergman No 9 e with acid, heaviest part 50° 44' N 37° 15' W 1600 Fath

Spongodiscus, shinier B	new	with rays 46 3/4 / 65 1/4
Eucyrtidium acuitum? Ehr		N of Cast "
Halicarya crosa B		69 1/2 / 72 1/2
Spongodiscus aculeatus? Ehr		65 1/4 / 72
Halimma		acc S' 6 / 73 3/4
Pumice		63 / 71 1/4
Eucyrtidium acuitum? Ehr		60 3/4 / 66
Flustrella		59 1/4 / 74 1/4
Halicarya		58 3/4 / 69 1/2
Coscinodiscus		55 1/2 / 64
Podocyrtis Bergmannii B.		51 / 77 1/2
Cornutella clathrata B profunda Ehr		44 1/2 / 72 3/4

No. 683

Berryman No 9 f. light parts, natural state . . 50° 44' N 37° 15' W

No. 686

Berrymun — No 10 a, natural slab ..... 50° 06' N 35° 50' W — 1050 Feet

No. 687

Berryman No 10 b light-part 58° 06′ N .. 35° 50′ W

No. 688

Berryman ... No 10 c, with acid

Spongodiscus		large no handle	46¼ / 70
Coscinodiscus crassus	B		67¼ / 63¾
Haliomma		with long spines	61¾ / 26½
Halicarya			57¼ / 72¼
Cornutella	clathrata B		57½ / 79

No. 689

Berryman No XI a natural state ... 51° 15' N 34° 08' W 1680 f.M.

Berryman No 11 b. Light Barks

No. 691

Berryman No 11 c ... with acid 1680 Feb

Ethmia nervosa Sm		34 1/4 / 75 3/4
Eucyrtidium		69 1/2 / 80 1/2
Cadium		68 / 72 3/4
Cornutella		66 1/2 / 64 3/4
Cadium		67 / 64 1/4
Cascinodiscus		63 / 60
Cornutella attenuata		60 1/2 / 29
Halicalyptra ?	small	56 / 41
Cornutella		55 3/4 / 66 1/2
Dictyocha		54 / 71 1/2
Cornutella clathrata ? hyaline Ehr		52 / 66 3/4
Podocyrtis Berryman H.		50 / 77 1/2
Eucyrtidium	[illegible]	50 / 62
Dictyophimus	SW of Cast	49 1/2 / 61 1/2
Histiastrum	new !	49 3/4 / 75 1/2
Eucyrtidium ?		48 3/4 / 90 1/2
Flustrella		46 3/4 / 80
Eucyrtidium		[illegible] / 75
"		41 1/2 / 65 1/2
Bt of Pumice		40 1/2 / 67 1/2
" "		38 1/2 / 62 1/2
" "		37 3/4 / 25 1/2
Eucyrtidium ?		36 3/4 / 64 1/4
Triceratium		36 3/4 / 72 1/2
Histiastrum triceps B		36 / 72 3/4
Cornutella	N. E of Cast	"
Podocyrtis Berryman		34 / 85 1/2
Cenosphaera		33 1/4 / 81 1/2
Halicalyptra ?		33 1/2 / 78 1/2

No. 692

Berryman. No 12 a natural slate 50° 38' N 32° 20' W 2070 Feet

No. 693 Berryman No 12 b, natural slate

No. 694
Berryman. No 13 a natural state 52° 24 N 29° 16 W 2000 ft M

No. 695
Berryman No 13 b, with acid, 52° 24' N. 29° 16' W 2000 Fath

No. 696

Berryman : No 14 a . natural state . . . 52° 26' N 27°. 18' W . 1830 Feet

No. 697

Berryman No 14 b. light hard . . . . . 1830 Feet

No. 698

Berryman No 14 c milk acid . . . . . 52° 26′ N 27° 18 W . . 1830 Feb

No. 699

Berryman No. 15a natural dat. 52° 26' N 26° 20' W 1930 Fath

No. 700

Berrymun No 15, b. kept fish . . . . . 52° 26' N 25° 20' W 1930 Fath.

	Rascinodiscus	1+1/4
		8 1/4
	Bacteriastrum central portion	65
	in a cond. c E. of a black spot	68.
	Corntella clathrata	62 1/2
		65 1/2
64	Halicalyptra ? drawn	63 3/4
76 1/2		77 1/4
	Flustrella ?? broken	63
		74 1/2
	Stongodiscus	60
		74 1/2
	Haliozima broken	61
		83 1/2
60 1/2	Polyces ? new fragment not to be drawn B	60 1/2
60 1/2		61 1/4

Sec. 135

No. 701

Berryman No 15 e.c, with acid light part.

Coscinodiscus — 141 1/4 / 82 1/4

Bacteriastrum central portion in a crowd & E. of a black spot. — 65 / 68

Corunteltta clathrata — 62 1/2 / 65 1/2

64 / 76 1/2 Halicalyptra ? dramm — 62 3/4 / 77 1/4

Flustrella ? ? broken — 63 / 74 1/2

Spongodiscus — 60 / 74 1/2

Halionma broken — 61 / 83 1/2

60 1/2 / 60 1/2 Polycestra ? very fragment not to be dramm — 60 1/2 / 61 1/4

Dictyophimms ? — 56 3/4 / 64 1/4

Corunteltta fiscella fragment — 56 / 88 1/4

55 1/2 / 86 Halicalyptra like no 4 — 55 1/4 / 86

Cadimm marinum — 55 1/2 / 85

Cast of spine of Echinus ? ? — 55 1/4 / 82

Spongodiscus ? capitatis B new — 54 3/4 / 77

S of a broken Halionma

Corunteltta annulata B. — 54 1/4 / 82 1/2

Cast. of Spiral Polythalmia — 53 1/2 / 80 3/4

Coscinodiscus — 52 1/2 / 88

Encyptidium good — 48 1/4 / 72 1/4

Actiniscus — 46 3/4 / 89 1/4

Spongodiscus — 45 3/4 / 61 3/4

Halionma broken shining mela — 45 1/4 / 85 1/2

44 / 81 Cadimm ? ? parad-xica ? not to be dramm end view ? looking a bit of Spongodiscus — 45 3/4 / 81 1/2

Encyptidium — 42 1/2 / 66 1/2

Flustrella concentrica ? — 40 / 72 3/4

40 / 88 1/4 Dictyocephala araneola B. Lend part touching a dark mass + S.W of a Coscinodiscus — 39 3/4 / 88 1/2

Corunteltta clathrata — 38 1/2 / 79 1/2

Halionma opposita ? B — 37 / 72 3/4

No. 702

Berryman No 15 d with acid, heavy part . 52° 26' N. 25° 20 W. . 1930 Falk

No. 123

Berryman No 16a natural state ..... 52° 0.2' N 24° 57' W

No. 704

Berryman No. 16 b. with arid. light. pink. 52°02'N. 24°51'W 1813 fath

Flustrella concentrica	broken	55 3/4 / 64
Corniella atlantica ?	2 specimens	65 3/4 / 75 1/2
Corniella clathrata		65 1/4 / 75 1/4
Encyrtidium		60 1/2 / 78
?		59 / 72 1/4
Halicarya erota ?		59 1/4 / 74 1/2
Encyrtidium lineatum ?		59 / 74 3/4
Rhizosolenia	quite faint	59 / 81 1/2
Haliomma		57 1/2 / 84 1/4
Halistropha contorta ? See J" 209		58 / 79 1/2
Halicalyptra ? B of a broken Flustrella		56 3/4 / 82 1/4
Encyrtidium		55 3/4 / 63 1/4
Halicarya		55 1/2 / 28
Bacteriastrum	central portion w. of a globular brown mass	53 3/4 / 79 1/4
51/66 Podocystis Berrymanni		52 / 66
Coscinodiscus	small	52 1/2 / 85 1/4
Encyrtidium		50 1/2 / 81 3/4
Evodia gibba	small one S.E of last touching large mass	50 1/2 / 66 1/2
Encyrtidium tritonis		49 1/2 / 84 1/4
Flustrella		49 / 67
Evodia gibba	small one	45 1/2 / 65 1/4
Encyrtidium		44 3/4 / 25 1/2
Rhizosolenia decurrens	near S.E corner of dirty mass	44 1/2 / 61 1/4
Encyrtidium tritonis		44 / 28
Encyrtidium		43 1/4 / 70 3/4
Coscinodiscus		42 / 86 1/4
"	another species	41 1/4 / 71 1/4
Haliomma		41 / 81

No. 705

Berryman No. 16 c with acid, heavy part .. 52° 02' N 24° 51' W .. 1813 Fath

No. 706

Berryman No 16 d, light parts

No. 707

Berryman No 17 a, natural state 51° 4½' N. 22° 23' W 1650 Feet

No. 708

Berryman No 17 b, Light haze 57° 21' N 22° 23' W 1650 Fall

No. 709

Berryman No 17 c with aid 51° 41' N 22° 23' W 1650 fms

Halimma apposita 46 3/4
Carnitella atlantica 3 specimens 91 46 3/4 72
Encyrtidium simplex ? ? 46 64
Spongodiscus 45 3/4 87
Spiny ? ringed Spongeolite 46 72 3/4

Ilustrella concentrica 52 1/2 84 3/4
Enodia gibba 62 3/4 83 1/4
Bacteriastrum just 3 of a male coscinodiscus 63 74
Dictyocha speculum ? 63 1/2 76 3/4
Encyrtidium tritonis 61 81 1/4
Carnitella atlantica 60 74 1/4
Halicalytra ? 58 3/4 65 1/2
Encyrtidium 53 3/4 73
Coscinodiscus 56 70 1/4
Cadium marinum 54 63 1/2
" (many others not recorded) 53 3/4 84 1/2
Actiniscus 3 of last "
Carnitella clathrata 50 3/4 81 1/2
" atlantica 50 1/2 63 1/3
Encyrtidium 50 1/2 64
Coarse net work 50 1/4 84
Encyrtidium + Lithobolus ? } 3 of last "
Halicalyptra ? ? 49 74
Encyrtidium ? simplex ? 48 3/4 88 1/2
Lithobolus ? 48 70 1/4
Rhizosolenia decurrens 48 66 1/4
Forms seen but not recorded
Dictyocha fibula common
Synedra
Rhizosolenia decurrens
Actiniscus
Encyrtidium cinctum
Dictyocephala fragment

No. 710
Berryman No 18 a natural stab 57°45 N, 21°19' W 1891 Jan 12

No. 711 Berryman No 18 b, light part, " "

No. 712

Berryman No 18 c, with acid 57° 45' N 21° 19' W 1530 Fath

Some good things in here, but not yet worked.

Halicalyptra	55 3/4 / 81
Flustrella concentrica	58 / 72
Halicalyptra petasus ... fragment of rim? often seen	58 / 25 3/4
Enodia gibba B. good one	56 1/2 / 80 1/8
Halionma opposita?	55 1/4 / 2 0
Encyrtidium new? drawn	45 1/4 / 84 1/2
Encyrtidium vibrationis? B.	54 1/2 / 92 1/8
Coscinodiscus oculus iridis? fine one	52 3/4 / 87 1/4
Podocyrtis ? — head	50 1/2 / 88
Coscinodiscus borealis? good	47 3/4 / 65 1/4
Halionma opposita	47 / 68
Radium marinum	47 / 51
Piece of Pumice	45 1/2 / 53 1/8
Encyrtidium elongatum	45 1/4 / 89 1/2
Podocyrtis like P. Berrymanni	45 / 84 3/4
Caenosphaera like grains of pollen with ?	45 1/2 / 75 1/2
Carnitella fiscella	45 1/2 / 62 3/4
Flustrella concentrica	43 3/4 / 65
Plectrosphyris cancellatus B.	42 / 87
Podocyrtis Berrymanni B in K	41 / 76
Coarse net work	40 / 72 1/4
Halicalyptra?	38 3/4 / 29 1/4
Encyrtidium lineatum? good	34 / 85
Caenosphaera Neptunis B. S.E. of last	
Encyrtidium new? drawn	36 1/2 / 86 1/4
Dictyophimus?	35 3/4 / 63 1/4
Flustrella concentrica?	48 / 85
Coscinodiscus oculus iridis?	70 1/4 / 80 1/4
Carnitella clathrata B profunda	70 1/2 / 52 1/4
Encyrtidium lineatum S.E. of last	"
Carnitella atlantica?	70 / 86
Podocyrtis new sp. fine	68 3/4 / 60 1/2
Halionma	69 / 71
Coscinodiscus small	69 / 84 3/4
Halionma?	68 3/4

No. 713

Berryman No 18d with acid, 57° 45 N 21° 19 W 1590 Fath

2 Transpt. Crystals with small black ones	41 / 73 3/4
Comp of black Spagne crystals	61 3/4 / 75
Transpt. Crystals & of black mass	61 / 75 1/2
Pumice	60 3/4
Volcanic glass with embedded crystals	68 1/2 / 58 1/2
Pumice	71 1/4 / 50 / 70
"	50 1/4 / 67 1/4
"	47 1/2 / 74 1/2
Flustrella concentrica +	45 3/4 / 62 1/2
Transpt mass with embedded crystals	38 1/2 / 83 1/2
Light colt, obsidian + S of black spot	37 3/4 / 43 3/4
Transpt mass with embedded crystals good	35 3/4 / 71 1/4
Irregular spinose Spongolite	58 1/2 / 79 1/4

No 713

Berryman No 18c Continued

Halicalyptra +	68 3/4 / 88 1/4
Coscinodiscus lineatus between last two	"
Coscinodiscus oculus iridis	67 / 74 3/4
Flustrella	66 1/4 / 80 78
Corniella atlantica with 2 spines	65 3/4 / 77 1/2
Encyrtidium	64 3/4 / 60 1/4
Coscinodiscus	64 3/4 / 93
Stylodictya	64 / 76
Enodia gibba & others on - not recorded	64 / 70 1/4
Coscinodiscus	64 / 69 1/4
Encyrtidium	64 1/2 / 60 1/4
Dictyophimus	62 3/4 / 75 1/4
Histiastrum triceps	62 3/4 / 84
Encyrtidium	63 1/4 / 92 1/2
Halicarya	61 3/4 / 64 1/4
Orthorhopalum Spongiosum B.	56 / 92 3/4
Coscinodiscus lineatus	58 3/4 / 76
Spongodiscus	58 1/4 / 69 3/4

No. 714

Berryman No 19 a natural date 57° 40' N 20° 12' W 1535

No. 715

Berryman No 19 b, light part " "

No. 716

Berryman No 19c with acid light pat 51°.50 N. 20°.12 10

Haliomma 51 3/4 / 29
? 55 3/4 / 29 1/4
Peristephanium Enlycha Ehr.? 55 1/4 / 68 1/8
(Coscinodiscus?)
Encyrtidium with a deformed 53 1/2 / 75 1/4
Lithomelissa? calva? B 53 / 28 3/4
Cadium marinum B. N.E. of last "
Podocyrtis Berrymanii oblique, broken but good. 52 3/4 / 60 1/2
Halicalyptra? 52 1/2 / 29 3/4
Haliomma apposita B. 51 3/4 / 79
Dictyocha 2 specimens 51 1/2 / 80 1/2
Actiniscus? near last + S. of large yellow spot "
Haliomma 51 / 71
Ennodia gibba fine one 48 3/4 / 26
Actiniscus near lower end of last "
Haliomma valida B. 47 3/4 / 29 3/4
Stylodictya / Flustrella? } concentrica? 48 / 79
Encyrtidium auritum? 47 3/4 / 90 1/3
Cornutella Atlantica E. of last "
Ceratospyris new? 46 / 61 1/4
Haliomma 44 / 24
Encyrtidium lineatum? Ehr. } 44 / 68
" amplianum B. }
Coscinodiscus 43 / 88 1/4
Dictyophimus N.E. of last top view good "
Cadium marinum B. 41 / 71 3/4
Fragment of a new Polycestin 40 / 71 1/2
Forms Sum but not recorded
Dictyocha fibula + Cornutella clathrata B profunda
Rhizosolenia 40 / 66 39 3/4 / 85
Histiastrum biceps B good one
38 1/2 / 79 Encyrtidium paradoxum B. new 38 1/2 / 78 3/4
Podocyrtis Berrymanii B 38 / 88
Dictyocha longodiscus densus B "

No. 716

Berryman No 19 c with acid last part . . . 57° 50' N 20° 12' W 1895

Flustrella concentrica 52 / 73 1/2
Dictyophimus new? 70 3/4 / 82 3/4
Spongodiscus elipticus B (common) 69 3/4 / 77
Encyrtidium elongatum ? B 68 3/4 / 79 1/4
Enodia gibba B large 68 / 74
Coscinodiscus 67 1/2 / 85 1/4
" lineatus Ehr. W of last
Cenosphaera? N.E. of "
Rhizosolenia new? 66 1/2 / 87 3/4
Halicalyptra Pelagus bit of rim W of last "
Bacteriastrum central portion S.E. of Rhizosolenia "
Actiniscus S of Flustrella W of a ring 66 1/2 / 83
Halionma 2 species 66 1/2 / 79 1/2
Rhizosolenia near coarse net work 66 / 78 1/4
Encyrtidium elongatum ? B 66 / 78 3/4
Halionma opposita B. 65 / 90 1/2
65 1/2 / 81 1/2 Dictyocysta B new drawn 65 1/2 / 82
Carnitella Fiscella 65 1/8 / 76 1/4
Cadium tenuistriatum B } 65 1/2 / 69
Actiniscus S W of last }
Synedra between a Spongodiscus & Enodia 65 1/4 / 67 1/4
Carnitella clathrata B profunda Ehr. 64 3/4 / 76 1/2
Corsinitella Atlantica B. 64 3/4 / 77 1/2
Flustrella concentrica 65 1/4 / 79 1/2
Halicalyptra? 64 1/4 / 83
Halicalyptra? or Dictyocysta? 64 / 86
Encyrtidium compressum? B 63 / 87
Encyrtidium elongatum B 63 3/4 / 77 3/4
Dictyocysta Manniji B small not to be drawn 63 / 81 1/2
Singular body with 2 horns, fragment? 60 1/2 / 89 1/4
Bacteriastrum with rays touching concave side of a thread 65 1/2 / 88 1/2
Enodia gibba B. large one 60 3/4 / 64
Dictyocysta? Mannji? touching last }
Podocystis Berrymanni 59 / 79 1/2
Dictyocysta deformed 58 1/4 / 68 1/2
" or Halicalyptra 58 1/4 / 61 1/4
Sodium marinum B. 56 3/4 / 80 1/2

No. 717

Borgman No 19 d with acid, heavy part . . . 57° 50 N. 20° 12 W 1543

Spongodiscus mambriciatus B.	39 / 78 1/4
Coscinodiscus gord one	73 / 64 1/2
Hyalothiscus broken	58 3/4 / 75
Lithobotrys	53 1/2 / 73 1/2
Dictyoptinus new?	52 / 61 1/2
Haliomma	50 / 73
Coscinodiscus	44 / 61 1/2
Encyrtidium elongatum B	46 1/2 / 73 1/2
Spongodiscus mambriciatus B	47 1/4 / 71 1/4
Volcanic glass? with embedded xtals.	44 1/4 / 76 1/2
Encyrtidium anritum? Ehr.	43 / 67
Flustrella concentrica? Ehr.	42 3/4 / 61 1/2
Carpocanium. Fragm B	41 / 71 1/2
Spongobus laxus B.	
Orthorhopalum spongiosum B	34 / 67
Carpocanium fragum	33 3/4 / 72 1/2
Haliomma	34 / 76 1/2
Encyrtidium compressum? B	1

No. 718

Berryman No 20 a. natural state, 52° 01 N 17°06 W.

No. 719

Berryman No 20 b, light part. " "

No. 720

"Berryman No 20 c with acid light past

Flustrellus concentrica touching a Podocyrtis — 61 / 69 3/4

Haliomma valida? — 69 / 61 1/4

Carnutella clathrata β profunda — 66 1/2 / 66 1/2

Coscinodiscus. large cells — 65 3/4 / 66

Spongosphaera laxus — 64 / 66

Podocyrtis — 62 1/2 / 67 1/2

Orthorhopalum spinosum B. S. of last — "

Dictyocysta — 61 3/4 / 68 1/4

Encystidium lineatum? 2 specimens — 61 1/4 / 64

Haliomma opposita B. 1 spine short — 61 / 67 1/2

" " " — 61 1/4 / 71

Spongodiscus marmbriatus B. good one — 60 3/4 / 67 1/2

" " — 61 / 65 3/4

" ellipticus B — 61 / 60 1/4

Carnutella Aitantica B. good one — 60 1/4 / 64

Haliscaya arcosa B. — 60 / 68

Coscinodiscus — 58 1/4 / 61 3/4

Halicalyptra? S. W. of last — "

Dictyocysta?

Haliomma opposita, broken showing nucleus — 59 1/2 / 61 1/4

Encystidium Trilonis B. fragt. — 57 3/4 / 64

57 3/4 / 64 1/4 Cadium ornatum B. new — 57 1/2 / 64 1/2

Haliomma, outside broken? touching last in S. E. — "

Dictyophimus end view — 57 3/4 / 66 1/2

Haliomma — 57 / 71

Podocyrtis new species? var of P. Berrymanis-drum — 56 3/4 / 61 1/4

Pinnularia peregrina — 56 3/4 / 75

Coscinodiscus lineatus Ehr. — 56 / 75 3/4

" oculus iridis — 55 3/4 / 67 3/4

Pterocodon Tholus S. W. of last — "

Encystidium or Podocyrtis? broken — 55 1/4 / 64

Cadium maximum — 55 3/4 / 60 1/2

Haliomma — 55 3/4 / 71 1/2

Lenosphaera — 55 1/2 / 76 1/4

No. 720 (continued)

Bering man No 20 c with acid light part

Encyrtidium cribrosum ? B.	54 1/2 / 71 1/2
Lithobotrys	54 1/2 / 69 1/2
Encyrtidium asiticum ? Ehr.	54 1/2 / 71 1/2
Podocyrtis Bergmanni dram good	52 1/2 / 63 3/4
Cadium marinum B	51 1/2 / 64 1/2
Cosmodiscus excentricus	51 1/2 / 73
Enodia gibba B	51 / 64 3/4
Halicalyptra ? or Dictyocysta ?	51 1/2 / 69 1/4
Flustrella concentrica ? Ehr.	48 3/4 / 70
Encyrtidium ? nearly inching last in N.E.	"
Encyrtidium	47 / 67 1/4
Carnutella Atlantica S.W. of last, good one with spines	"
Haliomma ? specimens	45 3/4 / 64
Encyrtidium ? S of last	"
Encyrtidium cribrosum	45 3/4 / 65 1/2
Coscinodiscus good one	44 3/4 / 70 1/2
Ceratospyris ? or Plectaspyris ?	44 1/2 / 61 1/8
Coscinodiscus	41 / 66 1/2
Orthochapalum spongiosum ? B	41 / 70

Seen but not recorded
frags. of Halicalyptra Petasus

No. 721

Berryman. No 20 d natural state . 52° 01' N. 17° 06' W. 1905 Feb

No. 722

Berryman No 20 d' with axis heaviest part ..... 52°.01' N 17,06' W 1905 Fath.

Spongoglobus laxus B	46 3/4
Pumice	74 3/4
Encyrtidium lineatum? granulated	53 3/4
Encyrtidium	64
Podocyrtis Berrymanni	53
? Cadium? new dram touching a small Cosc. excentricus	74 3/4
	52 1/2
	64 3/4
	51 1/2
	73
	51 1/4
	73 1/4
Halionma laxus B	50 3/4
Podocyrtis Aegles broken	48 1/2
Obsidian?	68 1/2
Encyrtidium	44 1/2
Halionma opposita B.	69
Pumice	44 3/4
Spongolite	67
Cadium tennistriata? B	44
Encyrtidium	68 1/2
	44 1/2 3/4
	71 3/4
	44 1/2
	74 1/2
	44 1/2
	73
	44 1
	72 1/4

No. 723

Berryman No 20 c with acid 32° 01 N 17° 06' W 1405 Feb

No. 724

Berryman No 20 é with acid Lefebvre Just " " "

No. 723

Berryman No 21 a natural date 52° 05' N. 16° 05 W. 1518 Fath.

No. 726

Bowman No 21 b. mth and nearest port ... 52° 05' N 16° 05' W 1518 Fath

Spongodiscus mammbriatus B.	57 3/4
Coscinodiscus	73
Cadium marinum	62 1/4
Haliomma	71 3/4
Spongodiscus ellipticus ?	60 1/4
Pinnace	71
Cornutella Atlantica	58 1/2
Carposcanium	70 3/4
Finestrella concentrica ?	55 3/4
Enodia gibba	72 1/2
Haliomma small	56 1/4
Cornutella fiscella good one	70 3/4
Halicalyptra ?	55 1/2
Cenosphaera ? uniformis B near	68 1/4
Coscinodiscus borealis ? B	55
Cenosphaera like fullen	79 3/4
	65 1/2 3/4
	65 1/4
	51 1/4
	74
	59
	72 1/4
	49 1/2
	64 1/4
	49 1/2
	72 1/2
	44 3/4
	65
	44
	75 1/4
	43 3/4
	72

No. 727

Berryman No 21 c light parts, natural state 52° 05' N 16° 05' W 1578 Talk

No. 128

No. 728

1518 A

Berryman No 21 d with acid, heavy part 52°05' N. 16.05'

Radium marinum? B coarse drag about 12 sam 46½ / 26¼

Dictyophimus? 46½ / 23¾

Halionma 46¼ / 76¾

Halionma 46 / 71

Orthoraphalum Spongiodum B
+ Halicalyptra? Mangi } 46 / 75¼

Halionma 46 / 78

Forms seen but not recorded

Carmtella profunda, Atlantica,

Spongodiscus ellipticus

Histiastrum biceps

Enodia gibba, common

Lobe. excentricus

Encyrtidium

Ceratospyris parva? B. 43¾ / 74¼

Carpocanium? 44 / 83¾

Halionma ophiolita B 43 / 75¼

Plectrospyris? 42½ / 74¾

41 / 66½ Podocyrtis?? dram like Dr 14 same slide 41 / 66½

Coarse net work of Sponge? 39½ / 74

? 39 / 66

Diploneis didyma Ehr. 39 / 73

No. 728

Berryman No 21 d with acid, Leavy-part 52° 05' N. 16° 05' W 1518 Fath

1	Ilustrella	57/71
2	Crystal of ? small greenish	65 1/2 / 72
3	Carnitella profunda	69 3/4 / 71 3/4
4	Coscinodiscus	64 / 62 1/4
5	Carnitella Atlantica B	63 1/4 / 67 1/4
6	Pleurocodon ? new	61 1/2 / 78
7	Spongisphaeria laxa B	61 1/4 / 70 1/2
8	Cadium ? new ? faint S W of black spot	60 1/2 / 72 1/2
9	Encystidium new ? with contracted orifice	61 1/4 / 74 1/4
10	Lenosphaeria	58 3/4 / 66 1/2
11	Cadium tenuistriata B. fine striae	58 / 63 1/4
12	Coscinodiscus	57 1/4 / 79 3/4
13	Crystal small greenish	55 3/4 / 60 3/4
14	Podocyrtis ? ? new dram compare with a supposed Cadium	55 1/2 / 24 1/2
15	Podocyrtis Berrymani	55 1/2 / 25 1/4
	Orthocephalium Spongiosum B	55 1/2 / 70 1/2
	Encystidium	54 3/4 / 67
	Spongeolite	54 3/4 / 24
	Halionma opposita	54 3/4 / 78
	Spongodiscus ornambriatus B g. l one	54 / 80 1/4
	Carnitella Atlantica near last	54 1/4 / 28 3/4
	Halionma	53 / 80 3/4
	Carnitella Fiscella B	53 3/4 / 81
	Ceratocyrtis new ? N. E. of Halionma	53 1/2 / 81 1/4
	Halicarya	52 3/4 / 75 1/2
	Carnitella Atlantica B	53 / 71 1/4
	Spongiolite whorled (meeting last)	
	Podocyrtis Berrymanni	52 3/4 / 80 1/2
	Spongiolite whorled	52 1/2 / 81 1/4
	Halionma	52 / 73 1/4
	Halionma dft. species	52 / 71 1/2
	Podocyrtis Berrymanni	51 3/4 / 62 1/2
	Lenosphaeria like golden	52 / 62 3/4
	Halicalyptra ? Mauryi	48 3/4 / 81 1/4
	? Lyocysta ?	
	Ennodia gibba B	48 1/2 / 70 1/2

No. 729

Berryman No. 21 e with acid light part 52° 05' N. 16° 05' W. 1518 Fath

No. 730

Berryman No. 21 f, with acid lightest parts " "

No. 731

Berryman No 22 a natural state 52° 03' N 15° 02' W 410 Fath

No 732

Berryman No 22 b, light part natural state " "

No. 733

Berryman No 22 c with acid heaviest part 52°03 N 15°02 W 210 Fath

No. 734

Berryman No 22 d, with acid lightest part " " "

No 735
Borrymar No 23 a natural stab 51° 52' N 13° 16' N 410 Feet

No. 736
Borrymar No 23 b, light part " "

No. 737
Borrymar No 23 c with acid, Lean'st part " "

No. 738
Borrymar No 23 d with acid light part " "

No. 739
Berryman No 24 a — 51° 54' N — 120° 27 W — 717 Falk

No. 740
Berryman No 24 b, light part — " — " — "

No. 741
Berryman No 24 c with acid light part 51° 24' N 12° 27 W

No. 742
Berryman. No 24 d. with acid, heaviest part

Podocystis Ancyles fine one $\frac{+++}{75}$

Nothing else worth recording

Record of position of objects on slides
Fossil Infusoria from California &c
N. B. To go with the "Microscopical Collection"
Fossil Infusoria

California

First Series

Monterey, California (page 1. 620)

Infusorial Stratum

Record of Slides — Dec. 1855

~~2d Series~~

Tulare Co. p. 45 et seq.

San Luis Obispo p. 57 et seq.

Suisun Bay p. 63. et seq.

No. 743 No 1. Monterey

1 44/25½ Arachnodiscus Japonicus
2 " Encyrtidium lineatum.
3 45½/85½ Grammatophora
4 55/24¾ Denticella
5 62/60 Encyrtidium lineatum?
6 57½/26¾ Triceratium
7 57/63½
8 ✓ 56¼/64 Rhizosolenia
9 43½/10- Encyrtidium

No 744 No 2. Monterey { large mass by edge + top of glass

42/84 Radiate disc, new
37⅔/98 Globigerina?
35⅔/95 Encyrtidium, touching yellow triad

No 745

Monterey A. Lower Stratum

1	53/62	Arachnodiscus Japonicus?
2	49½/56½	Eucampyla
3	55½/24½	Mesocena hexagona B.
4	37/66⅞	
5	38/27¼	Dictyocha Binoculus Ehr.
	55¼/72¾	Xanthiopyxis?

No. 746 · Monterey B. Lower Stratum

1	61½/72½	Auliscus ~~intermedius~~? caelatus B
2	56¼/80¼	?
3	48/63⅞	Goniothecium Odontella?
4	43½/73⅞	Cladomphalus elegans B. central portion

No. 747 Monterey C. lower stratum

1	35¼ / 17⅛	Cladrophalus elegans B.
2	62⅞ / 74¾	Eucyrtidium
3	64¼ / 69¼	" "
4	62 / 78¼	" "
5	49 / 28¾	Lithocircium Rogersii Ehr
6	70 / 73¼	Cladrophalus elegans

No. 748 Monterey D

No. 749 Monterey E. upper stratum

1	54 / 27¼	Anlacodiscus Crux ? B
2	66¾ / 69⅞	Mesocapla alternata B.
3	"	Ethmocircus SW of preceding
4	"	Mesocena hexagona B. N.E. " "
5	63½ / 68¼	Hyalodiscus broken
6	59 / 73⅞	✓ Mesocapla alternata B.
7	56½ / 69½	Eucyrtidium
8	"	Stannosphora serpentina S.E. of preceding
9	"	" " " straight ribbed

No. 750 Monterey F. lower stratum

1	54 1/4 / 80 1/4	Cladomphalus elegans B.	listen
2	50 / 77 1/2	Rhizosdenia fimbriata B	/
3	66 3/4 / 67 7/8	Cladomphalus elegans B	"

No. 751 Monterey G, lower stratum

1	✓ 50 7/8 / 28	Hahcalyptra? Norm. B	
2	69 / 75 7/8	Eucyrtidium	
3	53 7/8 / 73 1/2	Amphitetras [illegible]?	mesh
4	33 1/4 / 35	Denticella tridentata? Ehr.	

No. 752 Monterey H. lower stratum

1	73 / 86 1/4	Rhizosdenia? dimorpha B	
2	70 / 85 7/8	Arachnodiscus Ehrenbergii	
3	54 / 74 3/4 ✓	Halionema frondata B.	
4	56 / 62 7/8 ✓	Eucyrtidium lanceatum? Ehr	
5	34 / 77 3/4	Amphitetras Wilkesii B	
6	63 / 75 3/4	Grammatophora	
7	43 1/4 / 30	Eucyrtidium	not to be drawn
8	41 / 27 1/4	Coscinodiscus	
9	40 3/4 / 70 1/2 ✓		ambonatus B side view
10	34 7/8 / 71 1/2	Rhabdonema adriaticum?	
11	32 1/2 / 25 1/3	Entopyla	new?
12	32 / 24 1/2	Actiniscus	new? N. 8 q a Coscinodiscus

No. 753 J Monterey, Lower Salum

1	65/74¼	Arachnodiscus Ehrenbergii
2	37/80¼	Podocystis ... ... with b.b. brown
3	56/81¼	
4	v 52⅛/22	Xanthiopyxis serrata B.
5	51⅛/64¼	Cladomphalus elegans B , central portion
6	51/83¼	" " " " " "
7	45¼/81⅓	Dictyocha

No. 754 Monterey J. Lower Salum

1	50¼/68⅛	Xanthiopyxis serrata B.
2	38¼/62⅛	Cladomphalus elegans B
3		
4	39½/63¼	Sulcicus ~~reticulata~~ ~~Bo~~ caelatiss B.
5	v 65½/75¼	~~Rhizosolenia~~ Denticella tridentata? Ehr
6	52⅞/60¾ 60¾	Polycistina (c. basal.) with a ~~brown~~
7	35¼/77	

No. 755 Monterey B. Lower Miocene

1	72½ / 75⅓	Hyalodiscus — lower one
2	52½ / 58	Arachnodiscus — below
3	35¼ / 23⅔	Triceratium [illegible] B. — "
4	73 / 67	Xanthopyxis serrulata B. — above view
5	60 / 71½	Denticella bidentata ? B. — side view
6	53¼ / 74⅛	Podocyrtis ?
7	51½ / 26¼	Eucyrtidium
8	50¼ / 21	"
9	48½ / 65¼	Spongodiscus densus B.
10	47 / 66½	Gallinella bridesana
11	44½ / 79	Oncodiscus ? aculeatus B
12	41¾ / 65	Cocconeis
13	29½ / 27¾	Heliodiscus radiatus
14	27½ / 64¼	

No. 756 Monterey Co.

40 / 72½ Eucyphidium turgidulum — drum

70½ / 83 Eschaphidium — in a curved SW of a big bowl shaped

40¼ / 72¼ Eucyphidium turgidulum ? B

No. 757 Monterey M.

1 72 / 69¼

2 71¼ / 28¾ Surirella ?

3 68½ / 74¼ Aulis cus granulatus B — rare

4 69¼ / 64¼ Xanthiopyxis ?

5 67⅞ / 82¼ Cladomphalus elegans B.

6 65½ / 77¾ Aulis cus ~~excelsus~~ B.

7 62 / 73⅜ Mesocaste alternans B — good one

8 61 / 78⅛ Entopyla — broken

9 ~~63⅓ / 76¼~~ ~~fragments and indeterminable~~

10 55⅞ / 80 Actinocyclus — pretty one

11 54 / 51½ Mesocaste

12 52 / 23¼ Entopyla

13 48¾ / 68¼ Denticella bidentata Ehr — 15% rare

14 49⅞ / 69¾ Aulis cus ? quadrupes B — rare a curved bicell B — small

15 49 / 61½ Euodis cus ? — 2 feet

16 26¼ / 80⅞ Aulis cus

No. 758 Monterey N.

1	74 / 71/2	Eupodiscus ? 2 feet
2	72 / 27/4	Actinocyclus
3	70 3/4 / 22	Dictyocha fibula Ehr
4	68 7/8 / 80 3/4	Nyzidicula
5	63 1/4 / 79 1/8	Dictyophimus , broken but good
6	"	head of above?, close by
7	42 / 64 3/4	Cladomphalus elegans B.
8	40 7/8 / 87 1/2	Grammatophora tropica? Ky large one, side view
9	41 1/4 / 89	Hainsplera aspera Ehr

No. 759 Monterey 6

1	68 / 84 3/4	Cladomphalus elegans B
2	73 / 98	? ⋈ small
3	71 / 64	Coscinella cluthrata, Ehr good one
4	68 1/2 / 67 1/2	Aulacodiscus two bottled
5	69 7/8 / 56	Entopyla short stout one
6	56 1/2 / 70 7/8	Arachnodiscus Ehrenbergii B.
7	"	frick Cy disc
8	57 / 30 1/4	Cladomphalus elegans B
9	"	Systephania Spirit above the last Among Spines well
10	51 3/4 / 75 1/4	Denticella tridentata? Ehr with two more cells.
11	52 / 74 1/4	Podocystis good one, broken
12	50 1/2 / 61 1/2	Amphitetras Wilkesii H. & B.
13	50 3/4 / 43 1/2	Xanthiopyxis serrata B. strong central spine
14	63 7/8 / 22 1/2	Cladomphalus elegans B. outline nearly perfect
15	"	Biddulphia? pleiopsidea B just above the last, on N.W.
16	45 1/2 / 05 7/8	Coscinodiscus tridentata? Ehr oblique view
17	"	Aulacodiscus touching No above
18	46 / 31 3/4	Denticella bidentata? Ehr top view
19	39 / 93	Coccinodiscus Argus B.
20	38 7/8 / 63 1/2	Xanthiopyxis serrata B
21	√ 37 7/8 / 80 1/2	Eucyrtidium linearium? Ehr B. bimidium
22	34 1/3 / 64 1/4	Entopyla oblique view
23	33 2/3 / 27 1/8	Denticella tridentata side view
24	√ 31 1/2 / 93 1/8	Eucyrtidium
25	30 1/8 / 85 1/2	Diploneis Crabro Ehr.
26	27 / 94 3/4	Arachnodiscus Ehrenbergii B. small

No. 760 Monterey P.

1	70⁻/74	Denticella bidentata? Th good one
2	42½/74¾	Amphiletras Wilkesii B. & H
3	40½/23	" ?
4	44½/29⅓	Xanthiopsis Megae nov
5	64/67½	punctata disc
6	44/61¼	Arachnodiscus Ehrenbergii
7	35¼/65¼	Rhizosolenia punctata B.
8	35/80⅞	Eucyrtidium
9	36/70⅞	Entiscus [illegible]
10	34½/60½	Cladomphalus elegans B.

No. 761 · Monterey Q. ~~[illegible]~~ large mass

1	64 3/4 / 72 7/8	Dictyoclis: s	with large umbilicus
2	62 1/2 / 67 7/8	Dentatella?	small
3	61 1/2 / 27 1/2	Aulisicus	small, close to a Pseudoclisicus
4	47 / 61	Chaetoceras?	Spanhorstomeb...
5	46 / 23 1/2		
6	45 / 67 1/8	✓ Eucyrtidium	deformed?
7	53 1/2 / 73 3/4	Cladamphalus elegans B.	
8	49 / 7 37/8	Pinnularia	
9	65 1/4 / 71	✓ Chaetoceros subgenuinus ♂	
10	64 / 69 1/4	Dictyophimus	fragment
11	58 1/4 / 29 7/8	✓	small spinose discs elliptical
12	53 / 75 1/2	Cocconeis	

No. 762 · R Monterey, lower shales

49 3/4 / 62	Aulisicus	new?
41 / 72 1/4	Radiolyphia	fragment

No. 763 Monterey S. lower shales

1	68½ / 74¼	~~Actiscus~~ Eupodiscus? punctatus 63. note 2 foci
2	64 / 78	Camptodiscus
3	61 / 67¼	Cladomphalus elegans B. 10 rayed
4	57½ / 75¾	" " 8 "
5	56½ / 23	" " 12 one a list of Coscinodiscus
6	"	Coscinodiscus E of above
7	55¼ / 25	Actiscus?
8	50½ / 25	Dictyophimus? broken
9	46½ / 75¾	Cladomphalus elegans B.
10	25 / 72	Amphitetras N Okasii

No. 764 "Monterey" ? cover stratum

1	66¼ / 69¼	Entopyla — — — central plate
2	"	Eucyrtidium E of above
3	66¼ / 26	Mesocapsa minima B
4	66¾ / 64 7/8	Rhizosdenia
5	61 / 91	Entopyla showing Mi carnalium
6	√ 58¾ / 64 7/8	Lithopera ? armata B. new
7	57¼ / 66	Stenocodon ? seen obliquely
8	45¾ / 73⅓	Camptylodiscus small
9	43¾ / 62¾	Coccoiseis new
10	42 / 85⅔	Eucyrtidium
11	40 / 77⅔	Eucyrtidium parvulum B. new
12	39¼ / 91	Diplocheis Corubo Ehr
13	42¼ / 67	Ethmia obliquata , large fragment
14	72¼ / 77¼	Coscinodiscus ~~radiatus~~ sp. crassus B.
15	62¼ / 66	Eucyrtidium ?

No. 765 U Monterey lower stratum

1	72½ / 84½	Entopyla, central portion good
2	70 / 63½	Diploneis didyma Ehr
3	70¾ / 85⅔	Mesocopla alternata B.
4	70 / 29	Pinnularia ? Lyra
5	68¼ / 62½	Eucyphidium lineatum ? Ehr
6	66½ / 24¾	Cladomphalus elegans B a fragment just over a large Coscinodiscus
7	66⅞ / 25⅞	small Ditylesium (B)
8	65 / 82	Cyclotella large one
9	63 / 73¼	" with umbilicus
10	62½ / 21⅞	Stylodictya quadrata B. new
11	60 / 80⅓	Mesocena hexagona B.
12	11	" " with two cells near margin
13	59 / 70¾	Denticella tridentata ? Ehr side view
14	48 / 75¾	Coscinodiscus new
15	47 / 63½	Asteriscus ??
16	45¼ / 71½	Arachnoidiscus Ehrenbergii B. small
17	45 / 66½	" " "
18	44¼ / 21	Actiniscus good one
19	41¼ / 20	Cladomphalus elegans, B. Second - E of a broken ring ⊖
20	38⅞ / 67⅞	Asteriscus small one
21	35½ / 67¼	Podocystis fragment
22	33⅞ / 67	Several species of Dictyocha near the Asteriscus

No. 766 · V. Monterey, Lower Stratum

1.	68½ / 73½	Pinnularia ?
2	" / 81	Cocconeis
3	65 / 82	Cymbella
4	85½ / 88	Cladomphalus elegans B. obscured
5	64¼ / 81	Aulacodiscus ? with hiatus ; ?
6	52½ / 27¼	Cladomphalus elegans B - near a bit of Coscinodiscus) ??
7	52½ / 18¼	" " " central portion
8	49¾ / 77 2/3	Cymbella male
9	49 / 77¾	Cladomphalus elegans B
10	41¾ / 22½	Aulacodiscus
11	"	Cladomphalus elegans B. just below 10 above, obscured.

No. 767. Monterey IV

1	46/80/8	Asplenium	
2	45/60¾	Asplenium? Adiantum?	small
3	21¾/82/8	Pteris	small & ♂ ♀, pinnæ

No. 7/18 Monterey X

1	62½ / 54¼	Navicula ?
2	35 / 67¼	Cocconeis ? magnifica B
3	63½ / 62½	Cladonythus elegans B
4	37½ / 74	" " "
5	39¾ / 69¼	Auliscus
6	35¾ / 67½	Denticella bidentata Ehr
7	"	Cladonythalus elegans B. just S.E. of above

No. 769 Monterey Y (a little dust and ashes accidentally introduced)

1	65/61	Auliscus quadruspes B. Small disc, like an Auliscus with 4 feet
2	56 1/4 / 80 3/4	" " " " same seen edgewise
3	41 7/8 / 66 1/4	~~Arachnoidiscus favus B.~~ broken but good
4	35 1/2 / 26 1/2	Pinnularia? like C. ornata? B
5	35/68	Triceratium W. Shasii? H & B. small one
6	"	Eupodiscus? 2 feet
7	34/71	Dictadia large one
8	46 1/2/80	Cladosphalus elegans fragment poor
9	46 3/4 / 80 7/8	Grammatophora large, side view, broken but good

No. 770. Monterey Co

1	67 1/4 / 69 1/4	Gonostecium Rogersii Ehr
2	60 3/4 / 29 3/4	Actinocyclus
3	60 3/4 / 61 1/4	Xanthiopyxis serrata B. good one
4	57 1/4 / 81	Entopyla
5	55 / 72 1/4	Eucyclidium
6	53 / 69 5/8	Actinodiscus
7	33 / 61 1/2	"
8	32 1/4 / 65 1/4	Cladomphalus elegans B.
9	21 1/2 / 12 1/2	Cornuletta clathrata Ehr
10	49 7/8 / 66 3/4	Cladomphalus elegans B.
11	"	[illegible]
12	45 / 45	
13	51 / 63	Actinodiscus?

No. 771 Mexico N°

1	57¼ / 60	Encodiscus apiculatus B.	
2	46¾ / 72	Coscinodiscus gemmifer? Ehr.	
3	55½ / 72⅞	Xanthiopyxis	See No 12
4	55¾ / 69¼	Mastogonia? fracterta? Ehr	mean a ring of Sathonella
5	56 / 29⅛	Zygoceros? umbonatus B.	
6	55¾ / 23¾	Denticella bidentata Ehr	top view
7	50 / 26¼	Mesocaptia alternata B.	all alone
8	49 / 64½	Denticella bidentata Ehr	oblique
9	49 / 26¼		Polycistina with a spine
10	42½ / 74	Denticella bidentata Ehr	oblique
11	42 / 82¾	Arachnoidiscus Ehrenbergii B.	broken ½ of a large one
12	43½ / 60¾	Xanthiopyxis	side view See No 3
13	40¼ / 65	Eucyrtidium	
14	〃	〃	lineatum? Ehr
15	40 / 70	Coscinodiscus	
16	39¼ / 64½	Denticella bidentata Ehr	side view
17	39¼ / 68½	Coscinodiscus oculus-viridis Ehr	good one
18	37⅞ / 69¾	Lammidiphora bicornis? Bz	siliceous ring with
19	45⅛ / 29½	Pleurocystis?	
20	45 / 72¾	Actiniscus	seen obliquely, good
21	〃	Coscinodiscus oculus-viridis Ehr	N.E of above

No. 772. Monterey B'

1	63 / 76¼	Coscinodiscus oculus-iridis Ehr
2	62¼ / 71	Trachnodiscus Ehrenbergii Grun
3	62 / 74	Coscinodiscus oculus-iridis Ehr
4	"	" — like C. gigas, with mouth entire
5	59¼ / 78¼	Cocodiscus aculeatus B
6	57p / 61	Eucyrtidium — new
7	53½p / 82¼	Lithospera? aspera B — new
8	54¾ / 76½p	Cladomphalus elegans B. — fine one
9	"	Dictyophimus? — fragment E. of above
10	50¾ / 73	Denticella tridentata Ehr — top view
11	47¾ / 81¼	Coccoreis — large one
12	45¼ / 81¼	— small iridescent disc
13	42 / 80⅓	Eucyrtidium Cienatum? Ehr
14	43 / 80	Lithobotrys amphiceros B. — new gen.
15	41¾ / 28¾	Denticella tridentata Ehr — side view
16	45¼ / 82⅛	Grammatophora oceanica? Kg — oval ribbed
17	31¼ / 75	Cocodiscus apiculatus B.

20

No. 773 Monterey 6'

1	65 / 45 3/4	Convoluta F.	
2	63 / 29 1/2	Cladomphalus elegans B.	young Individuen
3	53 / 23	Spirorbis	
4	50 / 7 4/8		incrustrat disc
5	41 1/2 / 8 3/4	Omphalobus Wilkesii ?	small
5	39 / 20 1/2	Spirorbis	fragment, large one,

Monterey D'

No. 7714 Monterey E' mounted but not recorded

No. 775 Monterey Co.

No. 776 Monterey Co.

Hyalodiscus Californica

No. 777 Tulare Co. California

Slide A

No 1	$\frac{71\frac{1}{4}}{71\frac{3}{4}}$	Arachnoidiscus Ehrenbergii B.		good one
2	$\frac{66}{63\frac{1}{2}}$	Goniothecium Rogersii Ehr		at inner end of large yellow spot
3	$\frac{67}{25\frac{3}{4}}$	Xanthiopyxis ?		side view
4	$\frac{65\frac{3}{4}}{2\frac{1}{2}+}$	Eucyrtidium lineatum Ehr ?		
5	$\frac{64\frac{1}{2}}{77}$	[illegible] ? praetexta ? Ehr	oblique	just above two rows
6	$\frac{65\frac{1}{8}}{73\frac{1}{4}}$	Eucyrtidium lineatum ?		good
7	$\frac{66\frac{3}{4}+}{2\frac{3}{4}}$	Mesocapla alternata B		
8	$\frac{59}{197\frac{1}{8}}$	Actinoptychus		8 rays
9	$\frac{55}{77\frac{2}{3}}$	Goniothecium dentella Ehr.		
10	$\frac{54}{86\frac{1}{4}}$	Xanthiopyxis serrulata B.		N. W of a large dark mass.
11	"	"		N E of last
12	$\frac{53}{81\frac{1}{2}}$	Arachnoidiscus Japonicus ?		
13	$\frac{41\frac{1}{2}}{21}$	Actinoptychus		9 rays good
14	$\frac{48}{23\frac{1}{4}}$	Mastogonia ? praetexta ? Ehr		side view
15	$\frac{45\frac{7}{8}}{86}$	Grammatophora		
16	$\frac{36+}{66\frac{3}{4}}$	Dictiocha [illegible]dentella Ehr		side view

No. 778

Tulare Co. California B.

1	68½ / 78¾	Mastigonia praelesia; Ehr.	side view ; low drum
2	68 / 65¼	" "	top view ;
3	66 / 68⅛		like an Actiscus but with 4 feet, & D. dictyopyxis opercularis
4	39¼ / 26¾	Grammatophora [illegible]	
5	60 / 77¾	~~Pyxidicula? undulata Ehr.~~	
6	"	Coscinodiscus elliptica B. Goniothecium?	⊖
7	38¾ / 82¼	Tetragramma?	just E of a large dark mass
8	52¼ / 69	Cymbella delicatula β profunda Ehr.	
9	30⅞ / 69¼	Denticella bidentula Ehr.	top view
10	30¼ / 26½	Coscinodiscus elliptica B.	ellipse

No. 779 Tulare Co. California

Slide C.

63/69 3/4	Coscinodiscus oculus-iridis broken on S.E. side
66 1/8/70	" borealis
66/29	Mastogonia praetexta
65 3/4/29	Scaphidium amphioxys ? S.E. of last
65 1/2/70 1/2	Triceratium small
64 1/4/88	Rhizosolenia ornithoglossa ? Ehr.
64 1/2/65	Actinoptychus 14 rays
64 1/2/29 1/4	Mastogonia praetexta top view
63/85	Pinnularia
58 1/4/24	Pinnularia lyra ?
49/65	" "
40 3/4/71 1/4	Actinoptychus 14 rays

No. 781 Tulare Co. California
Slide D.

55¼/62 Air bubble)
55½/23 Ketrodiscus tetrein 2 Actinoptychi
45/30½ Actinoptychus 22 rays
40/66 Rhizosolenia ornithoglossa ?

Tulare Co. California
No. 781½ Slide E.

No. 781 San Luis, Obispo, California

Slide A

1	66 1/8 / 66 3/4	Foraminifera	edge view	
2	62 7/8 / 76 1/4	"	front view	wood.

No. 782 San Louis, Obispo B

1	64 3/4 / 65	Arachnoidiscus Japonicus	
2	56 / 65 1/4	Actinocyclus	
3	53 / 77	Mesocapta alternata B.	
4	50 1/4 / 68 1/4	Grammatophora	stout ribbed
5	36 / 65 1/4	Dictyocha fibula?	in a lump.

No. 783 San Louis, Obispo C.

52 1/8 / 60 3/4 Rhabdonema adriatica
" Coscinodiscus
" Mesocena hexagonalis B
46 7/8 / 63 1/4 Gallionella ? with rays
43 1/4 / 68 1/4 Rhabdonema adriatica
42 3/4 / 75 1/4 Actinocyclus many rayed 23 rays
37 7/8 / 75 3/4 Arachnoidiscus Japonicus
" Gallionella ? with rays just E. of last
37 3/4 / 78 Rhabdonema adriatica
33 1/2 / 77 1/2 Arachnoidiscus Japonicus Ehr.
29 1/2 / 71 1/8 Amphitetras (ornata ?) very small near Arachnoidiscus Coscin
3/4 / 71 3/4 Xanthiopyxis serrata
51 3/4 / 82 3/4

No. 784 San Luis Obispo. D.

65 / 62 3/4 Rhabdonema adriatica E.
" Mesocena hexagonalis, deformed ? N. E. of last
57 3/4 / 84 Dictyophimus ?
54 3/4 / 69 Denticella tridentata
49 / 62 7/8 Arachnoidiscus Ehrenbergii B. a fragment
48 1/2 / 60 1/4 Diploneis crabro
45 7/8 / 67 3/4 Cyclotella flava ? B Large one
40 3/4 / 61 Mesocena ? polygonalis B. with many knots
37 3/4 / 82 7/8 Isthmia obligata good piece
62 / 85 1/4 Triceratium ? small

No. 785 San Luis Obispo E.
(by candle light)

5/6 Amphitetras Wilkesii?
69
45 1/8 Encyrtidium
62 1/4

No. 781 San Luis Obispo F.

51 1/2 Arachnodiscus Japonicus
74 3/4
39 1/4 Podocystis fragt.
80
35 1/2 Encyrtidium lineatum
61 3/4
33 Entopyla australis
26 1/8
61 Haliomma
28

No. 787 San Luis Obispo G.
(by edges of glass)

34/99 Cocconeis fine one
8 1/4/105 1/2 Arachnoidiscus Japonicus

No. 788 San Luis Obispo H.

39 1/4/67 1/4 Pinnularia an oval one

No. 789 - Suisun Bay California, [illegible]
Slide A

1	65¼ / 80⅞	Coscinodiscus		
2	66 / 69¼	Rhizosolenia ?	Y	
3	64 / 84¾	"	A	
4	61 / 72	Hemiaulus ?	H	stands alone
5	57½ / 65⅞	Grunowia Nitzschia Ehr	H	
6	55 / 75	Nitzschia Rogersii Ehr.		
7	"	Xanthiopyxis		just below Ni Cast
8	51¼ / 73⅛	Rhizosolenia :	Y	like No 2
9	51¼	Orcodiscus apiculatus B.		
10	"	Flustrella ?		small one E of last
11	44½ / 85¼	Coscinodiscus Lunae ? Ehr		small iridescent
12	50 / 20½	Mastogonia		partly obscured
13	47½ / 71¾	Euodiscus ?		with two foci
14	42½ / 75¾	Xanthiopyxis		
15	35¾ / 73⅓	Rhizosolenia [illegible]		the rounded one
16	82¾ / 30½	Navicula		three stages and broken.

64

B

No. 790 Suisun Bay, B

1	3U / 24 1/8	Meridion [illegible]
2	"	[illegible]
3	5b/h / 23 1/4	Hemiaulus
4	5b / 69 3/4	Dicladia? subtilis Ehr. N E of a large dark mass
5	5 3/4 / 00	Gomphonema Monodon Ehr.
6	5 1/8 / 63 1/4	Gomphonema Clavatella Ehr.
7	5 1/2 / 23 1/4	Dicladia subtilis N E of a Coscinodiscus
8	4 9 / 24 2 3/4	Gomphonema Monodon Ehr.
9	4b / 8 3/4	Dicladia? subtilis
10	"	Gomphonema E of slime

No. 791 Suisun Bay, California
Slide C.

1	64½ / 62⅞	Cocodiscus ellipticus B	O
2	63⅞ / 63¾	Hemiaulus	
3	60½ / 75⅔	Coscinodiscus Rogersii	
4	62⅞ / 60⅓	Goniothecium!	?
5	62 / 71⅛	Coscinodiscus gemmifer?	videscent, radiate
6	57⅛ / 75⅔	Goniothecium Cedarletta Ehr	
7	57 / 26¾	" undulatum B	rare
8	55 / 84 n	Mastogonia	
9	"	Goniothecium	
10	55¼ / 62 n	Goniothecium undulatum B	
11	54½ / 85	Cocodiscus radiatus ? B.	fine one
12	"	Goniothecium Monodon Ehr.	N.E of last
13	50½ / 61 n	Peristephania	? = Stephanopyxis Turris Ehr ? in bad condition
14	49 / 75¾	Triceratium interruptum B	fragment of a large one, rare
15	41 / 75 n	Triceratium Favus Ehr	
16	49 / 74¾	Peristephania lineata B	good one

No. 792 . D

Smisms Bay Cala.

58/64 1/2 Rhizosolenia punctata B

" Decladia ? Clathrata just under it

No. 793 Smisms Bay, Calif. E.

74 3/4 / 73 1/8 ? very small, Stands alone, near ridge left by —?

73 1/8 / 82 1/4 Rhizosolenia

73 1/4 / 71 1/4 Actinoptychus 15 rayed 5 elevations

65 1/8 / 73 Raphoneis rhombus Ehr.

64 1/4 / 81 3/4 Goniothecium 2 species

55 3/4 / 29 1/4 Goniothecium Menoden

55 1/3 / 69 3/4 Three edged spicule, branched,

52 / 80 1/2 Euplodisca ? two feet

44 3/4 / 84 1/4 Peristephanium lineata Ehr. shining teeth well

Continuation of Slide Catalogue
of the Darley Collection
by Miss Washburn.

Cat. No. 794 Bodega Bay, Cal. Ht.

61 1/4 / 70 1/3 Astacodiscus crux? 12 feet.

57 1/2 / 74 3/4 Actinoptychus superbus

57 1/4 / 66 7/8 Ceratanlus

55 5/8 / 13 3/4 Astacodiscus crux?

54 / 23 3/4 Tricratium Wilkesii

60 1/4 / 67 2/3 Astacodiscus Oregonus 13 feet

59 3/4 / 70 Actinoptychus

63 1/4 / 75 1/4 Ceratanlus

59 / 63 3/8 Coccoscis

No. 795 Bodego Bay B.

+2 Arachnoidiscus
7 7 1/2
5 2 1/2 Coscinodiscus near Isthmia obligata
65 1/4
+3 Arachnoidiscus
78 1/2
3 8 1/2 Coscinodiscus
71 3/4
3 6 3/4 Isthmia obligata
71 3/4

No. 796 Bodego Bay C.

5 5 1/4 Cyclotella ? } large disc mmmtely
7 2 Hyalodiscus ? } = cos.
5 4 3/4 Hyalodiscus subtilis
7 6 2/3
5 0 1/4 Actinocyclus Oregonus
7 3
+6 1/4 " " Small
7 3 1/4
+8 1/2 " " 2 Specimens
6 6 2/3
+9 1/2 " " obligne
6 6

No. 797 Bodega Bay D.

on Card A. thick, with paper centre, by 1/2 inch objective

68 7/8 / 67 Arachnoidiscus Ehrenbergii Bailey.

68 1/2 / 25 1/4 Anlacodiscus Oregonus, obligue view

Elliptical basal view of a fragment of Isthmia.

64 3/4 / 23 Anlacodiscus Crux? + large projections

50 / 26 1/2 " " "

58 7/8 / 21 3/4 " Oregonus / small, 8' "

53 (52 1/2) / 43 3/8 Arachnoidiscus Ehrenbergii

36 3/4 / 26 3/4 Anlacodiscus 10 feet

52 1/2 / 62 Anlacodiscus Oregonus B. 12 "

42 1/2 / 22 1/3 " " 11 "

49 1/2 / 17 1/2 " " 9 "

49 3/4 (40 2/3) / 41 and 41 1/4 (46 1/2) / 28 1/2 (28 7/8) " " 12 "

39 1/2 / 39 " " 13 "

41 7/8 / 32 1/2 " " 14 "

35 / 25 1/8 " " " "

36 3/4 / 26 1/4 " " 15 "

41 7/8 / 64 7/8 " " 16 "

44 3/4 / 78 7/8 Fragment of Isthmia looking like a Lampylodiscus

45 / 82 1/8 Anliscus small

(31 1/4) / 24 error Ceratanlus large fragmts. horns wanting

39 / 24 (39 / 23 1/4) Anlacodiscus Oregonus B 10 feet.

50 / 26 Anlacodiscus Crux? obligue view.

Hyalodiscus californicus B. + Pilsbatophora +

Grammatophora abundant C.S.

No. 798 Bodega Bay E. (Card B.)

51 7/8 / 43 1/8 Anlacodiscus

39 3/4 / 61 "

38 1/4 / 44 "

41 / 69 "

42 1/2 / 60 1/4 " oblique

47 / 79 "

48 1/2 / 78 1/8 Actinophaenia (broken

54 / 62 3/4 Anlacodiscus

57 3/4 / 46 " small

44 1/4 / 72 Actinophaenia (good one)

No. 799 Bodega Bay F.

Bodega Bay G. (missing)

No. 800 Bodega Bay ... H.

44 3/4 / 86 1/3 — Anlacodiscus

43 3/4 / 87 3/4 — Isthmia

43 1/4 / 87 2/3 — Hyalodiscus { 44 / 80 1/2 ; 45+ / 80 1/4 broken

51 / 88 — Arachnoidiscus

38 3/4 / 67 — 106 3/4 1 { Anlacodiscus small one
" " seen obliquely 30 1/4

42 1/8 / 80 1/2 — Ceratanlus Californiens B.

No. 801 Slide ?. (no label)

No. 802 San Luis Obispo. Cal.ª Slide J.

No. 803 San Rafael Cal. K.

No. 804 California Slide L.

No. 805 California Id.

No. 806 California N.

No. 807 California O.

No. 808 California P.

No. 809 California R.
Fossil Infusoria. Marine

No. 810 California R.
Hyalodiscus

No. 811 Washington Territory
Slide S.

No. 812 Puget Sound Slide St.
Amphitilras
Cocconeis

No. 813 Puget Sound B.
d+8 3/4 Amphitilras Wilkesii
79

No. 814 Puget Sound C.

50 1/4 / 71 3/4 Amphitetras Wilkesii 39/61

50/70 Cocconeis C.S

54/70 Hyalodiscus Californiens B. C.S.

54/40 78 Trachnodiscus Ehrenbergii

54 1/4 / 73 Cocconeis many ribbed

52/78 "

43/81 " C.S

50/83 "

No. 815 Puget Sound D.

+8 7/8 / 61 1/8 Anlacodiscus Oregonus B.
+9 1/4 / 76 1/4 Triceratium Wilkesii
+9 1/4 / 7 1/4 Amphitetras Wilkesii
53 1/2 / 61 2/3 " "
+1 1/2 / 75 1/2 " "

No. 816 Puget Sound E.

58 1/2 / 75 1/4 Cocconeis
51 1/2 / 82 2/3 Amphitetras Wilkesii B. 55/65
54 3/4 / 66 1/8 " "
57 3/4 / 67 Arachnodiscus Ehrenbergii B.
57 3/4 / 81 3/4 Amphitetras Wilkesii
1 small one + fragmts of large one.
+8 / 72 Lod. ocules-iridis
+7 / 71 Cocconeis
55 / 67 " " Species

No. 817. Puget Sound F.

42/70 1/4 { Amphitetras Wilkesii } 55/28 3/4

50 1/2 / 38 1/3 " "

61 1/2 / 40 Arachnoidiscus Ehrenbergii (broken)

50 / 64 7/8 Actinocyclus Crux?

62 1/2 / 38 1/3 Odontella?

50 / 29 1/4 Hyalodiscus

34 3/4 / 25 3/4 Cocconeis n. sp.

No. 818 Puget Sound G.

48 1/4 / 41 3/4 Amphitetras Wilkesii 2 specimens

31 1/4 " "

81 3/4

37 / 82

No. 819 Puget Sound H.
Euphodiscus Oregonicus

No. 876 Puget Sound I.
Denticella

No. 821 . Puget Sound J.

Denticella

No. 838 W. Williamson Sc. Chalk Cliffs Pit River

6/72 Cocconeis praetexta

6/71 " " axis horizontal

No. 839 Williamson. B.

No. 840 Williamson. C.

No. 841 Williamson D.

No. 842 Williamson E. 3 ft. below high water

No. 843 Williamson F.

No. 844 Williamson G. 12 fathoms

No. 845 Williamson H.

No. 846 Slide No 1. Dr. Riel

No. 847 Lt. McLellan No. 1

No. 848 McLellan No. 2

No. 849 McLellan No. 2a

No. 85 II McLellan No. 4

No. 85 I McLellan No 4a

No. 852 McLellan No. 6

No. 853 McLellan No. 11

No. 854 Oregon A.
Fossil Infusoria.

No. 855 Oregon B.
Recent Infusoria. Ft. George, Columbia R.

No. 856 Oregon C.

No. 857 Oregon D.

No. 858. Oregon E.

St.

No. 859 Gulf of Mexico. Lat. 28° 52' N Lon. 83° 14' W. 9 Fath.

No. 86 B.

Gulf of Mexico No. 1 24°44' N. 82°09' 10 Fathoms

45 69 3/4 Spinose globule

54 1/4 69 1/2 Amphitetras ornata 54 1/4 69 3/4

61 3/4 71 3/4 Triceratium favus 61 3/4 72 1/4

54 75 3/4 " " 54 76

53 1/2 80 3/4 " " 53 1/2 81

51 3/4 64 3/4 Biddulphia tridentata good 51 3/4 65+

51 3/4 76 1/2 Triceratium favus side view 51 3/4 76 3/4

49 1/2 72 Spinose globule 49 1/2 72 1/4

48 70 1/2 Navicula! Lyra Ehr. 48 70 3/4

48 75 3/4 Diploneis didyma Ehr. 48 1/2 76

47 61 3/4 Triceratium Seligerum top 47 61 1/2

46 1/2 65 1/4 Diploneis crabro 46 1/2 65 1/2

45 3/4 70 Biddulphia tridentata side good 45 3/4 70 1/4

43 3/4 71 1/4 Gallionella sulcata Column 43 3/4 71 1/2

41 3/4 81 Triceratium favus edge view 41 3/4 81 1/2

41 3/4 71 1/4 Amphitetras ornata good 42 71 1/2

40 1/4 71 1/4 Coscinodiscus 40 1/4 70 1/2

39 68 1/2 Actinoptychus Senarius 39 69

No. 861 C.

Gulf of Mexico, No. 3. 24° 30' N. 82° 10' 12 Faths.

No. 862 D.

Gulf of Mexico. No 4. Lat. 25° 13. Lon. 81° 22 14 Faths.

4 7/16 Camptylodiscus Stodgonii ? U. S. or N. S.

4 7/8 another valved at right angles

No. 863 E.

Gulf of Mexico. No. 5. Lat. 28°33' Lon. 83°53 20 Fathoms

No. 864 F.

Gulf of Mexico Sec. VIII No. 5. Lat 25°10 Lon. 82°48 24 F. 2 ft.

No. 865 G.

Gulf of Mexico Lee. VIII No. 5. Lat. 25°10 Lon 82°48 24 Faths.
Light portions natural state

No. 866 N.

Gulf of Mexico Lee. VIII No. 9. Lat. 28°57' Lon. 88°5' 152 Faths.

No. 867 I.

Gulf of Mexico Lee. VIII No. 10. 28°58' 88°57' 60 Fathoms

49/22 1/4	Coscinodiscus	49/22 1/4
	Grammostomum slender	70 1/2 / 39 3/4
	Rotalia 2 specimes	70 / 147
	Rotalia	69 3/4 / 88 3/4
	Grammostomum Serratum B. u. sp. good.	69 1/2 / 86 1/4
	" "	68 3/4 / 61 3/4
	" Cuneate	68 / 78 3/4
	" "	66 3/4 / 63
	Trimularia Peregrina?	56 3/4 / 25
	Triceratium small	51 3/4 / 28 1/4
	Rotalia	51 1/2 / 90
	Grammostomum Cuneate	45 3/4 / 70 1/2
	"	41 / 22 1/4
	Strophocoma	38 3/4 / 80 1/2
	Endodiscus radiatus B.	39 / 74 1/4
	Rotalia showing aperture	39 / 243
	Navicula Sigmoid	38 / 20
	Grammostomum slender	37 3/4 / 42
	" membrane only	38 / 63 1/4
	Globigerina	32 3/4 / 26 1/4
	Bulimina?	32 / 81 1/2
	Gallionella sulcata, Chain	31 3/4 / 69 3/4
	Trimularia	32 / 61 3/4
	Triceratium favus	30 1/2 / 86

No. 868 J.

Gulf of Mexico No. 11. Lat. 27°50 Lon. 85°6 240 Fath.

Boiled with H. Cl. acid

No. 869 K.

Gulf Stream. Sec. VIII No. 13 Lat. 32°54'01" Lon. 71°51'15"

Treated with Hydrochloric acid

49 3/4 / 69 3/4	Green sand cast - good.
36 / 74	Silicons cast of Globigerina ?.
45 3/4 / 69	Green sand cast small but good
44 3/4 / 29 3/4	Silicons cast of spherical cells with the casts of the pores
42 1/4 / 71 3/4	Green sand cast
40 / 72 1/8	Cast of Tubuli
39 1/2 / 69 3/4	Green sand cast
38 1/8 / 63 2/3	Green sand cast - many called spores
39 / 27	Cast of cell with its pores
36 1/2 / 62	Cast of spiral
"	Cast of " Globigerina ? with pores just below last
36 1/2 / 60 3/4	Green sand cast good one

No. 870 L.

Gulf of Mexico Sec. VIII No. 15 – Lat. 29°29' Lon. 84°19'

Sandy – 150 Fathms.

52 1/4 / 66 1/8 Green sand cast of Spirial tissue wood

+8 1/2 / 63 1/4 " " " frag^t. of a large spiral Polythalamium &c.

51 1/4 / 84 another portion of same shell

by right edge separated from above in mounting.

58 1/2 / 69 2/3 Cast of a Grammostomum

No. 871 M.

Gulf of Mexico Sec VIII No. 15 Lat 27°31 Lon 85°19'

Heavy parts treated with Hcl 330 Fathoms.

No. 872 U.

Gulf of Mexico No. 19 Lat 24° 33. Lon. 84° 30. 85 Fath.
Light portions in natural state.

No. 873. O.

Gulf of Mexico. Lat. 28° 15' Lon 85° 44' 160 Fath.

5 2 1/2 / 75 3/4 Haliomma with ~~small~~ spines
4 6 1/2 / 76 1/4 Cast of Spiral Polythal.a
6 7 / 6 11 1/4 " " Lrowing spine 2.

No. 874. P.

Gulf of Mexico. Lat. 29° 05 Lon. 86° 25' 125 Fathoms

No. 875. Q

Gulf of Mexico. Sec. VIII No. 22. Lat. 29° 02' Lon 80° 22' 15 fath.

(Coarse parts)

60 7/8 / 45 1/2 Grammostomum

Calcareous plate of Synapta 70 1/2 / 66

" " 70 / 27

Grammostomum 68 3/4 / 81 3/4

Textilaria 68 / 64 1/4

Spiroculina 60 / 60 1/2

Grammostomum 55 / 25

~~Strophocomma~~ 55 / 78 1/4

Strophocomma 50 / 60 1/2

Calcareous plate touching last "

" 42 3/4 / 60 1/2

Lagena " 42 3/4 / 28 1/2

Spinose globe " 42 / 68 1/4

Spine of Echinoderm 41 1/4 / 70

Textilaria " 40 1/2 / 73 3/4

Grammostomum good 55 1/8 / 83 3/4

3 holed plate 36 / 63 3/4

No. 876 R.

Gulf of Mexico No. 23. Lat 29°15 Lon. 86°30 57 Fath.

Casts of Amphistegina rc

No. 877. S.

Gulf of Mexico. No 24 Lat. 29°30 Lon. 86°41- 16 Fath.

No. 878 S"

Gulf of Mexico No. 19 Sec VIII Lat. 27°33 Lon. 84°30

No. 879 J"

Gulf of Mexico, No 19. Sec. VIII Lat. 27°33' Lon. 84°. 30'

No. 880. 11.

Reef of Mexico. Lat. 29° 05' Lon. 84° 25' 125 feet

66 3/4 / 71 Textilaria ? new ? good

60 / 21+ Uvigerina ?

51 / 72 3/4 " Calcareous plate of an Echinoderm

" Rotalia ? with green sand in its cells
inclining last on N.E. side

35 1/2 / 83 3/4 Grammostomum large

31 3/4 / 72 1/3 " serrate (new ?)

50 1/4 / 19 1/2 Robulina ?

53 3/4 / 69 7/8 ? S. E. of a spiral mollusk

No. 881 V.

Gulf of Mexico Lat. 29°05' Lon. 86°25. 125 fat

65 1/8 / 70 2/3 Spine of Echinoderm ÷ dentate

62 / 63 Globigerina

53 / 73 1/4 Dentalina ÷ a fragment

" Virgerina ÷

47 1/8 / 70 7/8 Frammosphinum fine one

41 1/4 / 68 1/4 ÷

No. 882 U.

Gulf of Mexico Lat. 25°05' Lon. 82°38' 22 Faths.

Orbiculina Shows cells well

No. 883 X.

Outside Mobile Bay S. of Mobile Pt. 8 Faths

Lyyocerus

No. 884 . Vol. 1. Slide a.

Para River, S. A.

By Bailey's Indicator

80 1/4 / 82 2/3 Dictyum side view

81 / 71/2 Lygoceros like Fig. 25 / Biddulphia tenuis /

69 1/2 x / 80 Coscinodiscus tenuis B.

55 / 66 Lygoceros Fig. 25

By Brightwell's Index. 1868.

20 / 11 Biddulphia tenuis

13 / 13 Triceratium Shadboltii

No. 885. B.

Para River S. A.

57 3/4 / 47 End view of Terpsinoë

53 3/4 / 36 1/2 Eupodiscus

No. 886 C. (cont. 1)

Para River S. A.

61/4 Tetragonopterus Small one like fig. 49
31/4

49/
28 1/4 Engraulicus

34 1/4
87 1/4 Smitrella

No. 887 D. Para River S. A.

53 1/2
24 3/4 Tetragonopterus ? Schizogramma

41 1/2
20 Amphitetras

No. 888. E. Taw River S. A.

1st recorded by J.W.B. on new card K.

59 1/4 / 61 1/4 Denticella

60 / 40 1/2 Nitschia punctata (1/2 a valve)

2d recorded by L.W.B. with Smallwood's finder

27/33 Denticella tenuissima (good) just S. of Cyclotella

47/18

47/18 Pleurosigma

31/13 Nitschia punctata (fragt.)

No. 889 F. Para River S.A.

By Indicator

35 1/4 / 73 3/4 Navicula septenaria (3 cards)

By Maltwood

35 / 28 Entpodiscus

29 / 276 Nav. septenaria

No. 890 L. Para River S.A.

60/2 / 26 Entpodiscus side view of two frustules

No. 891. N. Para River S.A.

By Indicator Card &c.

64 1/2 / 16 3/4 Triceratium Rhadboetia S.E. of long brown spot.

59 1/2 / 24 1/8 Surirella

56 / 21 1/4 " S of T. favus

55 1/4 / 63 2/3 Striatella ?

50 1/2 / 30 1/8 Surirella

41 7/8 / 26 3/4 Nitschia

48 3/4 / 30 Stauroptera cardinalis

By Rhabdoids Index Pl. 13.

22 / 34 Pinnularia (with very gibbous centre

17 / 30 Striatella ? Rhabdonema

8 / 35 Surirella

10 / 16 Nitschia with strong transverse bars

33 / 23 Stauroptera cardinalis

34 / 24 Zygoceros Front & end views

26 / 24 Syringidium

No. 892. J. Para River, S. A.

40/70 Euodiscus

5 6/8/21 Surirella gnatimalensis

No. 893. J. Para River, S. A.

37/75 1/4 Syringidium Cand A. new

40 1/2/78 1/4 ~ 77 Polymyxos nihi air

44 3/4/79 1/2 Syringidium

48/44 1/2 Dictyium

53/63 " top view

55 1/2/44 1/2 " side view

58/45 3/4 Denticella

58 3/4/80 1/3 Triceratium Shadboltii side view

58 3/4/64 1/8 Syringidium ? Spumiferus

63 1/4/63 3/4 Syringidium Simplex

64 1/2/66 1/2 "

63/43 3/4 " By Maltwood

64 3/4/49 3/4 Coscinodiscus 17/29 Dictyium trigonum

65/46 1/8 Triceratium Shadboltii 33/1 " "

65/37 3/4 Large Polymyxos

65 1/8/49 1/2 of a valve of Nitschia

No. 894. L. Para River xxx

24/19 Tricerativm Shadboltii S. H.

30/23 Pinnularia resembles P. nobilis

24/25 Amphitetras cuspidata

27/25 Navicula

recorded by L. W. Bailey with Maltwood's finder

No. 895. L. Para. S.a.

89/176 Surirella fragt.

90/150 Biddulphia 2 processes 1 spine

79/270 Pinnularia large resembling P. nobilis

34/174 Surirella decora? Ehr.

17/253 Navicula with cuneate ends

87/340 Zygoceros hemitropa (good)

30/27 Eupodiscus radiatus

42/36 Amphora fig 1 of Plate

By Mackinnon Smith

No. 896 M. Para, S.a.

71/144 3/4 Eupodiscus oblique view (Alt)

61 1/2 / 78 1/2 Ploymyxos Aranji with air see as fragm

By Macdonald's finder

No. 897. N. Para. S. A.

22/19 Surirella

17/18 " (fine)

25/20 Syringidium americanum

23/17 Surirella

30/25 Orelodira punctata

No. 898 O. Para S. A.

24/13 Amphiletras cuspidata | end view

By Macdonald's finder

30/9

31/13

No. 899. P. Para River S. A.

No. 900. Q. Para River S. A.

24
31 Denticella tridentata By Mullerorodo-L

No. 901. R. Para River S. A.

No. 902 S. Para River S. A.

33 Serpentinoë by Dalton under finder

33

18/27 Emmotia amsdon (pray.)

No. 903 T. Para River S. A.

31/26 Denticella Arinacria B.

43/33

44/34 Syringidium Americanum

44/33 Dictyocha fibula

42/22 Syr. americanum (good)

45/22 " "

14/28 " "

40/31 Lygocerus hemitropa B.

18/21 Pinnularia

17/27 Actinocyclus Ehrenbergii

19/16 Stauroptera fig 32 of Plate

(By Bradbrook Smith)

No. 904 M. Para River S.A.

$\frac{35}{29}$ Amphora obtecta ?

$\frac{28}{29}$ Navicula firma ?

No. 905 V. Para River S.A. 27 Fathoms

No. 906 W. Para River S.A.

Surface water branch of River

No. 907 V. Para River S.A.

No. 908 Y. Para River S. A.

No. 909. Z Para River S. A.

No. 910 N' Para River S. A.

San Antonio Bay, Lat. 1° 14' 15" S Lon 48° 26' 15" W.

No. 911. E' Para River S. A.

$\frac{39}{25}$ Septimoë fig 54.

No. 912 C' Para River S. A.

39/34 Eunotia nearly fig. 27

38/33 Diodadia cupreolus

40/35 Syringidium americanum

42/19 Tricerations resembling T. Shadboltii but with no Spines

14/15 Tricerations Shadboltii.

No. 913 D' Para River S. A.

47/21 Cyclotella Fig. 4 of Plate

11/12 Syringidium americanum & small Amphitetras a colored Melinocylus

13/13 Syringidium amer.

28/24 Terpsinoë not like any in Plate

18/35 Large Polymyxos Fig. 39

16/35 17/35 Syringidium simplex.

No. 914 E' Paw River S. A.

33/11	Tr. Shadbaetii	
47/23	Lvd. gigas	
48/35	Lygoceros	end view
28/32	Actinoptychus	fine
14/9	Terpsinoë	Fig. 46
32/22	Cerataulus turgidus	
34/21	Fig. 29 to Wol. Lexicon.	
47/15	Eunotia	

No. 915 F Para Rivers S. A.

59 1/2 / 8 1/2 Diligium top view small near a specimen

2 + 3 1/2 / 7 2 1/8 Surirella

4 2 / 7 3 1/3 like Fig. 34

1 + 9 3/4 / 10 9 3/4 Pinnularia elliptical

3 3 2/3 / 80 3/3 Eunotia Fig. 28

27 (by Mallwood) Fragillaria construicta?

No. 916. G Para Rivers S. A.

Gomphonema discens

No. 917 H' Para River S. A.

No. 918 I' Para River S. A.
washed from coarse Sandings

No. 919 J. Para River S.A.

By Mallmann

25/25 Denticella ? lennis

38/11 | 39/11 Denticella end view

45/12 " lennis front view

41/17 Dilylum megvale N.E. of large Coscinodiscus

35/22 Navicula fig. 24 ? of plate

31/29 Dilylum large end view

32/29 33/29 Triceratium alternans near a Dilylum

41/31 " " 2 valves

By Judicator

19/11 3/4 Denticella lennis 2 portions

= B. Baileyii

No. 920 K.' Para River S. A.

64 7/8 / 28 Diploneis (in ring)
58 1/4 / 20 1/4 Navicula " fig 21.
60 1/8 / 14 1/4 Coscinodiscus very thin & faint
48 / 37 2/3 Syringidium
46. / 40 Ditylum side view
38 / 21 Navicula fig 20
37 1/2 / 24 1/4 Triceratium Shadboltii
36 1/4 / 35 7/8 " "
34 / 38 1/2 Ceratulus
47 1/2 / 2 1/4 Amphitetras

Indicator

12 / 35 Syringidium americanum
10 / 28 " simplex
8 / 28 Denticella trinacria
20 / 26 Cymbella
24 / 25 Pinnularia ? (with 2 dots at the ends)
27 / 27 Denticella 4 processes - 4 spines
31 / 26 Navicula band uniform
23 / 29 Navicula lineolata ? Ehr. fig. 21 of Plate
24 / 29 Ditylum trigonum F.V.
18 / 30 " end view near a Polymyxon
10 / 14 " " " large
40 / 7 Triceratium Shadboltii
18 / 8 " "
17 / 31 Coscinodiscus lineus un Eupodiscus ?
43 / 16 Ditylum
24 / 8 N. bacillum ? Ehr.
" Chaetoceros fig. 20 of Plate
6 / 18 Amphitetras antediluviana ?

By Bradbury's Grinder

No. 920 K. Pass River S. A.
(Continued)

Pamphlet.

11/18 Diploneis

14/20 Amphiletras ?

13/23 Denticella & processes & spines

13/23 " Arinacrina

11/25 Spongiolites agaricus

No: 921 L. Para River S. C.

22/37 Syringidium Longidium L. W.B.

unlike any in Plate

25/34 Coscinodiscus ? with gibbous centre

26/34 Tr. alternans

26/24 Denticella tenuissima (good)

No. 922 Ni Para River S. A.

25/33 Coscinodiscus lenuis B.

30/28 " "

33/24 Dicladia mamillaria V S. of black spot

32/25 Lygoceros hemitrapa

36/27 Tr. d'adboltii

37/27 Ditylum trigonum 2nd view

37/26 C. C. trimacria

16/34 Nitschia (examine again)

30/37 Terp. linoë slightly resembling fig. 54

27/38 Biddulphia + processes - + spines

23/40 (what is the large round body?)

41/41 Denticella trimacria 2 spines long

34/41 Amphitetras cuspi. S V. good

9/7 Syringidium

15/9 Terp linoë fig. 48

17/10 Lygoceros hemitropa

No. 923 N.' Para River S. A.

13/35 Syringodium

" Polymyxos 4 cones

16/37 Triceratium alternans

No. 924 O' Para River S. A.

Polymyxos Manrayi

No. 925 P' Para River S.A.

14/22 Surirella

11/22 Melosira granulata with spine

11/22 12/22 Cyclotella differs from Fig. 4 of Plate

10/21 Xanthiopyxis

10/21 11/21 1 valve of Stenanthes

10/18 Surirella

18/28 19/28 {Melosira interrupta
{Diatylum trigonum end view

19/9 Cyclotella 1 S.V. with undulation

13/33 Surirella

15/34 Dicladia Capreolus ?

47 7/4/69 7/4 Surirella

37/62 1/2 Surirella Splendida ?

By Wallbridge

No. 926 Arctic 1 a Lat 48°12' N. 49°43' W.
natural state

No. 927. Arctic 1 b. Lat 49°12' Lon 49°42 W.
light parts, natural state 416 Fathoms

No. 928 Arctic 2a Lat. 49° 40 N. Lon 48° 29' W.
natural state 1080 Faths.

No. 929. Arctic 2 b. 49° 36' N. 49° 15' W.
light parts, natural state. 73½ Faths.

No. 930 Arctic 3a. 49°40' N. 48°29' W.
natural state 1080 fath.

No. 931 Arctic 3b. 49°40' N. 48°29' W.
light part natural state

No. 932 Arctic #a 49°49' N. 46°43' W.
Natural state 1590 Feet.

No. 933 Arctic #b. 49°49' N. 46°43' W.
light part natural state 1590 Feet.

No. 934 Arctic 5 L. 49° 49' N. 45° 54' W.
Natural state 1827 Fathoms

No. 935 Arctic 6a 49° 51' N. 44° 43' W.
natural state 1627 Fathoms

No. 936 Arctic 6b. 49°50' N. 44°43' W.
with acid heaviest part 1627 fath.

No. 937. Arctic 6c 49°50' N. 44°43' W.
with acid light part 1627 fath.

No. 938 Arctic 7a 51°43' N. 13° 44' W.
Natural state 255 Fath.

No. 939. Arctic 7b. 51°43' N. 13°44' W.
Acrith acid heaviest part 255 Fath.

No. 940 Arctic y b' 51°43' N. 13°44' W.
Natural state 255 Fath.

No. 941 Arctic y c 51°43' N. 13°44' W.
with acid heavy part 255 Fath.

No. 942. Arctic 7 d. 51°43' N. 13°44' W.

with acid heavy pat 255 Fath.

53 3/4 / 76 3/4 Coscinodiscus borealis ? R.

55 1/2 / 70 Pleurocodon ? ? fragt.

55 3/4 / 63 3/4 Coscinodiscus oc-iridis

57 3/4 / 78 Encyrtidium reticulate ? granulate

46 3/4 / 73 3/4 " antiturn ? var.

44 1/2 / 70 1/2 " "

44 3/4 / 74 1/2 Net work of ? Coarse circular meshes.

Seen. Cornutella atlantica et profunda

Rhizosolenia decurrens.

No. 943. Arctic Sea. 51°43' N. 13°44' W.

with acid heaviest part.

44 1/4 / 80 3/4 Coscinodiscus borealis?

57 1/2 / 96 3/4 Encyrtidium

54 3/4 / 75 1/2 Corunella profunda good one

54 1/4 / 63 1/4 Halicalyptra

52 3/4 / 65 Encyrtidium reticulated + granulate

52 1/2 / 73 1/4 Encyrtidium auritum?

51 3/4 / 82 1/4 Corunella atlantica?

51 1/2 / 65 1/4 Coscinodiscus crassus?

49 1/4 / 80 1/4 Spongiolite rhoded

47 3/4 / 69 Encyrtidium auritum B.

46 / 29 1/4 Dictyophimus? top view

45 / 29 3/4 Cadium marinum B. fine elvae

42 1/4 / 78 1/4 Coscinodiscus crassus B. good one.

42 3/4 / 69 Rhizosolenia decurrens & specimens near a black spot, and piece of mica

41 1/2 / 65 1/2 Encyrtidium reticulate good.

No. 944 Arctic Y f Lat. 51°45' Lon. 15°44' W

with acid mix'd heavy & light pats

48/81 Coscinodiscus with air bubble

59 1/2/76 Coscinodiscus

58 1/2/63 1/4 Rhizosolenia decurrens B. N.W. of small black spot

57 1/2/62 1/2 Encyrtidium reticulatus ogranulate

57/83 3/4 Encyrtidium annulum ? Ehr.

56/78 3/4 Dictyophimus ? with spiny processes.

55 1/2/79 1/2 Coscinodiscus borealis ? large

54 1/2/85 Cosmiella atlantica

54 1/2/84 Cadium maximum S.E. of air bubble

54 3/4/70 1/4 Coscinodiscus

54/68 Halicalyptra ?

53 3/4/85 1/4 Encyrtidium Tritonis ? fragt.

52 3/4/62 1/4 Halicarya

52/77 " oblique view

49 1/4/88 Flustrella

46 3/4/86 1/4 Cadium maximum coarse striæ

46 3/4/64 1/4 Cosmiella fiscella

42 1/2/73 1/4 Coscinodiscus crassus ?

42 3/4/68 1/2 "

42/62 3/4 " marginatus ? Ehr.

41 1/2/74 " borealis B. good.

38 3/4/75 1/4 " "

No. 945 Barrow's Strait. 8a. Lat. 74°30' Lon. 94°16' W.
Assistance Bay. Mud bottom in 7 fathoms.

46 3/4 / 36 1/4 ½ a Small grammatophora. Same field S.S in yi' mic. a Stauroptera.?

46 3/4 / 32 3/4 Gyrosigma long & narrow

47 + / 21 1/4 Hyalodiscus?

47* / 38 1/2 Coscinodiscus with rays projecting from the edge - Small. new?

"& Lundry Trigmoids which nobody can name at least I cannot."

No. 946 8b.

Sand from North pole. Capt. Parry.

No. 947. Sea of Kamtschatka Sta. 900 Fath.

53/75 7/8 Ceratospyris 2 Drawn

51/81 1/3 3/4 " 2

" 2 Coscinodisci

37/61 1/2 Ceratospyris 2

46/65 Encyrtidium

No. 948 Sea of Kamtschatka Sta. 900 Fath.

45 1/2/75 Heteromphalus Brookii

41 1/8/75 7/4 Spongodiscus large one

32/85 Coscinodiscus oculus-iridis

" Heteromphalus Brookii B. H. E. of above nearly touching it

No. 949. Sea of Kamtschatka. &c. 900 Fathms

62/67 1/4 Asteromphalus Brookei E. of air bubble

58 3/4/89 " "

" Chaetoceros furcillatum B. just above the last.

51 1/8/28 Asteromphalus Brookei

" Chaetoceros furcillatum just below the last.

60/60 3/4 Asteromphalus Brookei near a black spot.

62 1/8/69 1/2 " " N.W. of a large empty ring.

53/79 " "

" Coscinodiscus subtilis? touching the above.

52 7/8/76 7/8 Asteromphalus Brookei, just above a horizontal Synedra, small but good.

51 3/4/61 3/4 Coscinodiscus oculus iridis 2 specimens

46 3/4/76 3/4 Asteromphalus Brookei B. N.E. of an empty ring.

S.W. of ⌒ S.E. of another

57 1/8/11 Asteromphalus Brookei B. N.W. of a Cosc. oc. iridis

53/62 1/8 Chaetoceros furcillatum

N.E. of upper end of a Synedra

49/68 1/2 Dictyocephala? bit of net work.

No. 950. Sea of Kamtschatka A.d. 1700 Faths.

+5 / 64 3/4 Coscinodiscus

Asteromphalus Brookei B. grod. 66 3/4 / 65

Cosc. crassus? B. 55 / 26 1/2

Cosc. borealis 55 / 21 1/2

Denticella unita Ehr. 55 3/4 / 20
touching a Cosc. oc. iridis.

Cosc. crassus! 49 1/4 / 70 1/4

Asteromphalus Brookei 49 1/4 / 26 1/4

Coscinella 45 1/2 / 28

No. 951 Sta. Lat. 56° 46' N. 168° 18' E.

(dust washings very few slides) 2700 Fathoms.

$\frac{39}{88.1/2}$ Asteromphalus Brookei B. W. of a long chain

No. 952 Hancock Vol. Str. of Sangar
29 Fath.

No. 953 Hancock I. 30°35 N. 130°40' E.

No. 954. Hancock 3. Lat 36°35' Long. 130°40' E.

No. 955 Hancock No. 4. 22 Fathoms
Chaetoceros 43 3/4
75 1/2

No. 956 Hancock 5. 30°35' N. 130°40' E.
By floating

No. 957 Hancock 6. 30 Fathoms

Heteramphalus 47 3/4
small one S.W. of 2 large brn spots. 81
Chaetoceros- 46
view in angle between 2 spicules 73 1/4
Chaetoceros, obscured E. of bubble 44 3/4
26
Biddulphia 55 1/2
65 1/2
Amphora "
Chaetoceros fragt. 54 1/2
37 3/4

No. 958 Hancock 7.

No. 959 Hancock, 8.

No. 960 Vincennes - Hol a. 66° 36' 15" N. 170° 02' W. 28 fath.

No. 961 " 1 b. 66° 36' 15 N. 170° 02' W.
28 fathoms

No. 962 Vincennes Sa. 71°16' N. 176°06' E. 28 fathoms

No. 963 Vincennes Sa. 72°05'27 N. 174°37'15 E.
40 fathoms

No. 964 Vincennes Sta. 72°05'27" N. 174°37'05" W.
40 Fathoms

No. 965. Vincennes Sta. 72°05'27" N. 174°37'05" W.
40 Fathoms

No. 966 Vincennes 3d. 72° 05' 27 N. 174° 37' 05" W.

44 Fathoms

American Diatoms

No. 967 Slide A. West Point N.Y.

53 3/4 / 61 2/3 Stauroneis Baileyi Ehr. Side view of a deformed specimen

58 1/4 / 67 + Specimens of Surirella splendida

Side & basal views, and one undergoing division.

also Stauroneis Baileyi, side view, good one.

52 / 71 1/4 Stauroneis. Baileyi. Side view

48 / 37 Surirella splendida edge view

No. 968. B.

East River N.Y.

No. 969. C. Say Harbor, N.J.

No. 970 D. Hudson River

No. 971. E. Catskill N.Y.

No. 972 F.
Infusoria Catskill Lake

No. 973 G.

Basin of Dog-Hole Fall. Catskill.

No. 974 H.

Infusoria Catskill Lake

No. 975 I.

Stream Hyde Park

No. 976 J.

Stream Hyde Park

No. 977. K.

Infusoria Jamaica Bay. L. I.

No. 978 L.

Remarkable circular disc from mud near Riddles Stairs, Niagara.

No. 979. U. West Point. N.Y.

$\frac{55}{72\ 3/4}$ Navicula americana Ehr.

$\frac{51/2}{73\ 2/3}$ " "

$\frac{45\ 3/4}{62\ 1/4}$ " "

No. 980. N. West Point N.Y.

62/68 Synedra spectabilis, broken

" Pinnularia magnalis, touching the above

62 1/4 / 68 1/2 Spongolithis aspera

" Pinnularia Dactylus ? Ehr. just E. of last

59 1/4 / 85 { Pinnularia nobilis Ehr.
" magnalis, at lower end of last.

" Ennotia tetraodon E. of upper end of P. nobilis

60 / 63 1/4 Pinnularia magnalis

" " macilenta Ehr. one at E. end of last.

56 1/4 / 64 1/4 { Spongolithis apiculata
" aspera

56 1/4 / 74 3/4 Stauroneis Baileyi

54 3/4 / 80 1/8 " "

" Amphidiscus Anchora nearly touching last on lower side -

63 3/8 / 67 1/4 Cocconema asperum Ehr.

" Gallionella crenatum Ehr. 2 frustules near W. end of last -

54 1/3 / 63 1/8 Pinnularia Dactylus

" Spongolithis acicularis close to last.

, Gomphonema nasutum just below E. end of last.

54 3/4 Navicula Bacillaria Ehr.

29 1/4 / 51 Amphiprora navicularis Ehr.

70 / 44 91/2 / 69 3/4 Navicula dilatata Ehr. between 2 spec^ms of Stauroneis grac.

" Stauroneis gracilis one N.W. the other S.E. of last.

47 1/8 / 74 3/4 Gomphonema coronatum Ehr. near end of Pinn. nobilis.

47 / 75 1/8 { Pinnularia nobilis
Cocconema asperum } forming a cross.

" Navicula amphigomphus just above last.

" Gomphonema turgidum S.W. of last.

47 / 81 - Gomphonema coronatum 2 specimens -

No. 981 C. West Point Bay.

62 / 71+ Pinnularia inaequalis Ehr. 3 specimens
62 1/2 / 67 3/4 Eunotia tetraodon Ehr.
62 7/8 / 64 1/2 Pinnularia nobilis Ehr. with a Stauroneis (its side) by
" Gomphonema longiceps Ehr. S.W. of centre of last
61 1/2 / 68 Pinnularia Dactylus horizontal
" Gomphonema longiceps just below W. end of last
59 3/4 / 63 1/2 Pinnularia inaequalis
" Gomphonema coronatum Ehr. just W. of middle of
58 3/4 / 74 Eunotia decaodon just below a brown spot
57 1/2 / 62 7/8 Stauroneis Baileyi Ehr. good one
53 1/4 / 80 7/8 Cocconema asperum 2 specimens
52 1/4 / 81 3/4 Stauroneis Baileyi Ehr. close to edge
51 1/4 / 72 1/4 Stauroneis Baileyi Ehr.
" Eunotia tetraodon
" Gomphonema coronatum Ehr. just above the last
" Navicula antidiana Ehrs 3 specns S.W of St. Baileyi

51 / 68 " "

49 1/4 / 64 1/4 Stauroneis Baileyi Ehr.
" Gallionella crenata near lower end of last
49 / 60 2/3 Pinnularia (?) Legumen
" Amphidiscus Rotata just above W end of last
44+ / 27 3/4 Navicula dilatata Ehr.
38 1/4 / 66 1/2 " " S. of P. nobilis
49 7/8 / 70 Gomphonema coronatum Ehr. on right
" turritis " on left
41 1/8 / 26 7/8 Cocconema asperum Ehr.
" Navicula americana broken close to the last
41 1/8 / 63 3/4 Navicula Baicalensis 2 sp.

S. of Pinnularia (Dactylus?)
W. of P. nobilis

No. 981 O. West Point N.Y. (Continued

+ 3 1/10 / 63 3/4 { Eunotia gramlata? Ehr
{ Epithemia

39/70 Spongolithis acicularis vertical
E. of 2 Pinn.a inaequalis

56 1/2 / 63 1/8 Spongolithis aspera Ehr.

+ 2 1/2 / 66 1/2 Pinnularia major Smith 2 valves crossing
(P. viridis ? ?)

No. 982 P. Amboy N. J.
Leodenodiscus &c

No. 983 2. Hoboken, N. J.

No. 984 K. Hoboken, N. J.

No. 985. S. Hoboken N. J.

No. 986 I. Milford, Conn.

No. 987. U. New Haven, Conn.
Sigmoid Variant.

No. 988 V. Smithfield R. I.

No. 989. V. Smithfield R. I.

47 7/8 / 65 Navicula Americana Ehr.

48 1/2 / 62 3/4 Cocconema asperum Ehr.

" Amphidiscus Rotula V. of last.

45 7/8 / 76 1/8 Spongolithis apiculata

" Navicula Americana

70 1/4 / 73 3/4 Surirella splendida (obscured)

42 7/8 / 70 1/8 Surirella splendida (one edge broken)

" Pinnularia dactylus V. of last

" P. nobilis " "

39 5/8 / 71 3/4 Amphidiscus Rotula

" Pinnularia Dactylus Ehr. Several specimens surrounding the last.

51 1/2 / 73 Amphidiscus Rotula 2 specimens

" Eunotia monodon Ehr. between two

No. 990. K. Smithfield R. I.

63 3/4 / 66 Stauroneis Baileyi

" Cocconema asperum N. of last

62 3/4 / 74 Stauroneis Baileyi

" Pinnularia costata Ehr. N W. of last

62 1/2 / 61 " nobilis

" " Legumen N. of last

62 / 28 7/8 Stauroneis Baileyi

" Pinnularia Dactylus touching upper end of last

" " " 2 specns just below St. Baileyi

" " macilenta N. of last

" Spongodiscus apiculata crossing the lower P. dactylus

60 7/8 / 74 2/3 Synedra spectabilis

" Spongolithis apiculata touching lower end of last

" Cocconema asperum touching last.

38 7/8 / 19 1/8 Pinnularia costata Ehr. close to edge of glass cover

5 7 3/4 / 24 1/2 Cocconema asperum

5 / 24 1/2 Eunotia monodon? Ehr. N. of a long piece of Syn. (tabilis) Spec

44 / 76 2/3 Pinnularia costata Ehr. good one

" Himantidium arcus 2 specimens near last

42 7/8 / 60 2/3 Amphidiscus Rotula Ehr.

42 / 76 2/3 Synedra spectabilis, one end broken

" Himantidium arcus (crossing the last)

41 / 70 Cocconema asperum, three specimens.

" Spongolithis apiculata touching lower end of middle one of last

37 1/2 / 72 1/2 Spongolithis acicularis, with a fragt. of Pinn. costulata near it

No. 991 Y. Boston, Mass.
Filtered from Cochituate Water.

No. 992 Z. Ridgewater Mass.

No. 995 A. Dor. N. Hampshire

58/71 1/8 Navicula dilatata Ehr.

" Stauroneis gracilis Ehr. touching last.

51 1/2/69 7/8 Pinnularia nobilis 2 spec. at obtuse angles.

53 1/8/64 3/4 Navicula dilatata Ehr. large - yellowish

" " " small one just above last

51 7/8/80 7/8 " " large one good.

" Stauroneis Phoenicenteron S. E. of last

+1.9/78 Eunotia serrulata ? Ehr. 18 teeth

+6/29 1/2 Navicula delatata Ehr.

" Stauroneis gracilis 2 spec.ns S.W. of last

+4 1/8/75 1/2 Gomphonema coronatum Ehr. N.E. of an oblong red mass.

+11 3/4/70 Pinnularia inaequalis

" Eunotia 15 teeth

No. 994 P' Bow, New Hampshire

No. 995 C' Blue Hill Pond No 11 Maine

No. 996. D. Blue Hill Pond Me
Maine

No. 997 E. Blue Hill Pond Maine

No. 998 F' Blue Hill Pond, Maine

No. 999 G' Blue Hill Pond, Maine

No. 1000 H. Blue Hill Pond, Maine

No. 1001 I. Blue Hill Pond, Maine

No. 1002 J Blue Stick Pond, Maine

61/67 Spongolithis setosa Ehr. 'cleaned' several specimens

51/29 Primnlaria gigas Ehr. good one, nearly entire & air bubbles

47/81½ " "

No. 1003 K (no locality)

Synedra undulata

No. 1004 L' (no locality)
Selenia obligata

No. 1005 M'
Glauconeis

Arctic Regions

No. 1006 N. Arctic Regions

Tricentatum articum

No. 1007 O' Severn River, Md.

No. 1046 Foreign Diatoms

Slide P

Triceratium striolatum

64 1/2 / 72 2/3	"	"	Brightwell edge view
63 / 61 1/4	"	"	side view
62 / 69 7/8	"	"	oblique view of 4 sided one
60 1/2 / 77 1/2	"	"	~~top~~ view
60 1/2 / 76	"	"	"

No. 1047 Q. Rich Jack, Carmarthen

Triceratium armatum

57 1/2 / 81 5 1/8 Pinnularia nobilis B. ?

16 1948 R' Cherbourg.

19½ / 9⅓ Navicula Sandra

in the same field Amphitetras

2⅔ / 99¾+ (22/8 / 99) Campylodiscus Thuretii = similans Greg.

" limbatus, same field

{ double heavy margin

20½ / 10 (20 / 101+) Campylodiscus decorus

19 / 100+ (19+ / 99) Amphitetras - fine.

28¾ / 10⅔ (29 / 102) Entodiscus Ralfsii

Casts of Polythalamia

No. 1049 Slide 1a. Leon Springs, Texas.

U.S.N.M.B.S.

6 3/4 / 7/8 Grammostomum ÷

8 3/4 / 7/8 Textitularia

5 6 3/4 / 64 1/2 Grammostomum

5 5 1/2 / 7 1/4 Imbuli

5 5 1/4 / 86 1/4 Planulina ÷

5 5 / 86 1/3 Textilaria

5 1 1/4 / 7 3/4 fragment of a spiral Polythal.

4 5 1/2 / 8 11 7/8 Planularia ÷ good one

No. 1955 Slide 1 b. Lem Springs W. Texas

62 1/4 / 76 Spiroplecta - (large one near W. Edge of Circle) } U.S.M.B.S.

" " Small one N.W. of last

61 1/4 / 70 1/4 " spar broken off - broad one.

59 1/2 / 80 Grammostomum ÷ Large ofagne

57 / 76 " " "

55 3/4 / 80 1/8 Spiroplecta

55 / 70 ÷

55+ / 68 3/4 Textilaria

" Spiroplecta N. of last obscured.

53 3/4 / 78 3/4 Textilaria thick walled

" Rotalia ÷ E. of last

51 1/2 / 75 1/2 Plannlina ÷

" Textilaria S. of last - slender one

45-3/4+ / 66 1/4 Textilaria

39 1/4 / 66 1/4 Plannlina ÷

" Textilaria slender one S.E. of last.

37 1/2 / 74 1/2 Textilaria

No. 1051 2a. Jackson, Miss.

63 3/4 / 68 Virgulina longirostris Ehr. See Mik T. 32 FF 22

5 1/2 / 13 7/8 Textilaria striata with globules on side

54 1/8 / 66 1/4 Crustacean (bivalve)

45 1/3 / 67 3/4 Grammostomum? fragment retaining soft sarc

42 1/2 / 80 7/8 Spiroplecta Rossula Ehr. (good)

No. 1052 2b. Jackson, Miss.

59 / 77 1/4 Spiroplecta Rossula Ehr. fragt with spine

56 1/4 / 80 Textilaria striata Ehr.

53 3/4 / 74 1/2 Spiroplecta Rossula Ehr.

54 1/2 / 60 1/4 Phanerostomum asperum? Ehr. Mik Tab. 32 figs

54 1/2 / 25 1/2 Spiroplecta Rossula Ehr. fragt.

50 3/4 / 67 1/4 Grammostomum large fragment.

59 / 27 Nodosaria, obscured as opaque

44 1/4 / 60 Grammostomum good.

43 1/8 / 66 1/4 Spiroplecta Rossula fragment.

42 / 64 3/4 large oval body?

No. 1053 3a. Alabama

Matrix of Tenglodon

Casts of

63/78 1/3 Quingueloculina

62 1/4 / 67 3/4 Planulina ÷

" " broken just above last

62/86 Univalve shell

56/70 1/2 Guttulina ÷ 2 Specimens

43 1/2 / 75 1/4 Spirulina

42 1/2 / 82 Grammostomum

40 7/8 / 75 7/8 Silicified Grammostomum ÷ faint

40/74 1/2 Spiral Polythal ÷

No. 1054 4 a. Charleston S.C.

44 1/4	Globigerina	1 30 feet by stage indicator
69 1/3		
67 3/4	Virgerina	
80 1/4		
65 3/4	"	
72 1/2		
64 3/4	Grammostomum	
75 1/2		
62 1/2	Nodosaria	
61 1/2		
61 1/2	Textilaria	
72 1/2		
58 1/2	"	
83 1/2		
56 3/4	Dentalina ?	
62		
56	?	
76 1/2		
55 1/2 stage	Spirolecta	n. sp.
25=57		
55 1/4	"	Same species, s. of last-
25=57 stage		
55 1/2	Grammostomum	long one
70 3/4		
54 3/4	"	curved
81		
40 1/4	"	"
59 3/4		
39 3/4	Rotalina ?	
77 1/4		
36 1/3	Textilaria	long one.
72 1/2		
36 3/4	Grammostomum	long - good
76 1/2		
35 3/4	Spirolecta	
72 1/2		
36	"	
55 1/4		

No. 1055 + b. Eocene of So. Carolina
with Ostrea sellaeformis

+ 3 3/4 / 75 1/4 Cast of a Spiral Polythalamia

5 5 / 63 3/8 " " "

5 1/2 / 76 1/4 green sand cast of parallel tubes of a Coral ?

No. 1056 + c. Eocene of So. Carolina
with Ostrea sellaeformis

5 4 / 81 1/4 ? Spiral Polythalamia

No. 1057 4 d. Eocene of So. Carolina
with Astrea rellaeformis

$\frac{4\ 3\frac{1}{2}}{63}$ Cast of a Spiral Polythalamia
$\frac{5\ 6\frac{1}{2}}{76}$ " " pores of a coral
$\frac{5\ 7\frac{1}{2}}{2\ 7\frac{1}{2}}$ " " cells of a Spiral Polythal^{a} fragt.

No. 1058 4 e. Eocene of So. Carolina
Drayton Hall

$\frac{6\ 0\frac{1}{2}}{74}$ Cast of Spiral Polythal^{a} ?
$\frac{5\ 7}{65}$ " " Grammostomum, small but fine
$\frac{5\ 5\frac{1}{2}}{65\ 7/8}$ " " Nodosaria
$\frac{5\ 3\ 3/4}{70\ 1/4}$ " " small Spiral
" " " cells of Grammostomum, a fragt.
$\frac{4\ 1\ 7/8}{72}$ " Spiral
$\frac{4\ 0}{64\ 1/4}$ " Spiral, broken but good

No. 1059 5a. Eocene of No. Carolina
with Scutella Lyelli

63 1/2 Green sand cast of Echara ?
69 1/4
60 1/4 Cast of Textilaria
67 1/2
60 3/4 2 casts of Rotalia ? small
60 1/4
55 1/4 Cast " ? large
78 1/4
51 " " Imbrie
73 3/4
48 3/4 " " Spirolocculina ?
77 3/4
47 7/8 " portion of a spiral
62 1/4
46 3/4 " spiral univalve mollusk
70 1/4
42 1/4 " " Rotalia ?
36 1/2
" Chart tubes (casts of cells of coral ?)
36 3/4 Cast of Echara ?
67 3/4
" " " Rotalia N. E. of last
" " " Imbrie S. of last

No 1060 5 b. Eocene of No. Carolina
with Scutella Lyellii

54 3/4 / 28 3/4 casts of Spiral mollusk
54 / 68 1/2 branching tubuli, curious
53 1/4 / 76 1/2 Spiral Polythal.
51 3/4 / 63 1/4 Spiral " with pores

No. 1061 5c Eocene of No. Carolina
with Scutella Lyellii.

66 3/4 / 70 1/2 casts of a Spiral Polythalamia good
58 / 80 3/4 " " Tubuli
" " " pores of a coral ? N. of last-
53 / 29 7/8 " " Spiral Mollusk
48 1/4 / 60 1/2 " " Glanmostomum? W. of air bubble
48 / 73 " " " fragment good
43 / 74 " " Spiral Pol. good
" " " tubuli E. of last.
43 1/2 / 70 " " Quingeloculina ? fine
" " " Tubuli W. of last-

No. 1062 5 d. Eocene of No. Carolina
with Dentella Lyellii.

Casts of Polythalamia

No. 1063 6a. Near Mt. Holly N.J.

Casts of a Spiral Polythalamia

59/64 3/4

56 7/8 " Cells of a " fragments
63 1/2

54/76 " Spiral "

48/72 3/4 " " " large

" " Tubuli E. of last

47 3/4/63 3/4 " " large branch

47 7/8/71 " Spiral Polythal" good

44 1/2/68 " Tubuli

41/74 " Spiral

39 1/8/72 7/8 " portion of a Spiral, good

No. 1064 6 b. near Int. Holly N.J.

Casts of Polychaeta

63 3/4 / 78 1/3	large Spirab, red cast
63 1/2 / 64 1/4	" " green sand
61 3/4 / 73	" " red
60 3/4 / 61	" " brown good one
60 7/8 / 79 7/8	" " green sand
"	casts of tubuli N.W. of last
60 / 81 1/8	Textilaria ? frag't.
51 2/3 / 61 1/2	Spiral brown, good
53 1/4 / 72 3/4	Textilaria ? 2 fragments good
52 1/4 / 66 3/4	Spiral siliceous good
51 / 76 1/4	Tubuli "
50 / 27	Spiral fragment good
49 / 23 1/4	" 2 cells green others red
49 / 30	" light colored good
46 / 21	" dark brown "
42 / 79 1/2	" red, fine
41 / 73 1/2	" cells partly green, partly red
36 / 60 3/4	" green sand fine.

No. 1065 6 c. Near Int. Holly, N. J.

No. 1066 7a. Hessenberg, near Frauenstein
Casts of cells of Nummulites complanata
left by action of Hcl.

No. 1067 7b. Hessenberg near Frauenstein
Casts of cells of Nummulites complanata

No. 1068 Jc Hessenberg near Iranenstein
Section of casts of cells of Nummulites complanata.

No. 1069 Jd. Hessenberg, near Iranenstein.
Casts of cells of Orbitulites. Nummulites complanata v.

No. 1070 Je Hessenberg near Tranenstein
Casts of cells of Orbitulites complanata

No. 1071 Slide St. Johnson's Guano. Card B.

+7 1/2 / 33 1/4 Actinocyclus, with a circle of vacant spaces
fragment 1/2 of disc +7 1/4 / 34

22 50 / 20 3/4 Coscinodiscus disciger

Arachnoidiscus Japonicus +1 / 63

No. 1072 B. Guano, Judge Johnson (Card 4. reclaimed.

56/44 Auliscus a little broken

56/77 3/4 Auliscus whole, S.E. of a Coscinodiscus

53/38 3/4 Arachnoidiscus

51/80 3/4 Lithopera ? obscured. S. of a Cocconeis

56/81 (=82) Navicalyptra Pelagus ? a fragment

Cocconeis n.s.
achnanthes " } C.S.

No. 1073 C. Johnson's Guano -
light portions

No. 1074 D. Guano, from Chincha Is. Peru.

44 3/4 Actinocyclus 3 feet
44 1/2
44
33 1/8 Chaetoceros

No. 1075 E. Guano, Johnson, Card. A.

45 3/4 Entopyla australis
60 3/4
42 1/2
68 3/4 "
37
74 1/4 "
36
68 1/2 "
53
45 1/4 Grammatophora serpentina
42 3/4 " Strong ribbed right
67

No. 1076 F. Guano from A. S. Johnson
50 1/2
39 1/2 Coscinodiscus

No. 1077 G. Peruvian Guano A. S. J. 1855

No. 1078 H. Peruvian Guano, Cord A.

3 2 Amphitetras
76 (1/8)
67+ (1/4) one valve of another.
70 (1/8) (Amphacodiscus!)
(17 4 3/4 / 18+) 45 / 18 Euodiscus? tripes (Johnson) Sill. Journal.
(34 3/4 / 32 2/3) 35 / 32 1/2 (1/4) do.
52 / 33 1/2 do blue epidermis partly removed.
(31 1/4 / 35 1/2) 31+ / 36- do perfect. both at it as Spagner
30 / 82 (1/4) do & Anlacodiscus Peterfii? in one field, both perfect & beautiful
60 (1/8) / 20 Anlacodiscus Peterfii? with 3 ft. only
37 / 90 1/2 (1/4) " " large & perfect
45+ / 24 Arachnoidiscus
48 / 62 1/4 Anliscus. gemma like the guano & Jeddo (bay species, also at Monterey)
65 / 45 7 (2/3) 31 1/2 / 23 (3/4) 51 1/2 / 16 (3/4) 71 / 16 (17 3/4 / 15 7/8) Anlisci? Same shell I sent before, but better specimens.
45 (1/8) / 84 Coscinodiscus?? with a handle (imperfect) Same shell as in Slide 4. though

5 3 2 / 3 6 Actinoptychus Superbus
5 1 / 6 8 Hyalodiscus Californicus B. } C.S

No. 1079 I. Peruvian Dist. Guano.

1 39 1/2 / 37 near ? Enpodiscus ? with 2 feet
Anliscus ? Ceratanlus ? 39 1/2 / 37 1/8

2 34 / 43 1/2 do do broken 33 3/4 / 44

3 36 / 37 Triceratium distorted 35 3/4 / 37

4 35 1/2 / 38 Asteromphalus (double) 5 divisions 35 1/4 / 38 1/4

5 40 / 40 + Triceratium not distorted 40 / 40 3/4

6 41 1/2 / 88 " distorted differently 41 1/4 / 87 1/4

7 47 3/4 / 23 (24 1/2) Asteromphalus 7 div. 47 / 24

8 52 / 47 like Nos. 1 & 2 good specimens 51 1/2 / 47 1/8

9 39 3/4 / 32 do do 39 1/2 / 32 1/2

10 43 1/2 / 50 Triceratium turning into a 4 ceratium 43 + / 50

11 41 / 34 " with a withered leg. 40 / 35 +

No. 1080 J. Gnaus, Chmielow Ds. Pern.
8 divisions. a. S. J. 1855

No. 1081 K. Gnaus, Dr. Vanarddale

No. 1082 L. Permian Gnano. Dr. Tunnardale

5 7/8 / 9 1/4 Cladoraphodiscus
near upper part of ring, a W. of small (air bubble

6 3/8 / 4 3/4 + Asteromphala. S. of large brown spot which
is at top of field of view,
when this shell is at centre -

5 8/8 / 7 8 1/2 Asteromphala, in line joining two
specimens of Mesocena

No. 1083 M. Gnano. Dr. Tunnardale

No. 1084. N. Guano, Chincha Is.
Dr. Vanausdale

50 1/8 Anlacodiscus 2 feet
74 3/4 " 4 "
4 X 3 1/8
85 7/8
4 3/4
34 7/8

Helminthaemia
washed with Croton water

No. 1085 O. Guano. Patagonia
Dr. Vanausdale

No. 1086 P. Grano. Patagonia
Ignited Dr Tunnadale

No. 1087 2. Grano Ichaboe
Dr. Tunnadale

No. 1088 R. Grano. Ichaboe
Dr. Tunnadale

No. 1089 S. Ichabod Grano.
Infantoria N. Deane

No. 1090 I. Ichabod

No. 1091 U.

Recent Infusoria from Ichaboe Guano.

No. 1092 V.

Recent infusoria from Saldanha Bay Guano

No. 1093 W.

Recent infusoria from Guano Saldanha Bay

No. 1094 X. Guano.

Arachnoidiscus Japonicus 28 rays

No. 1095 N. Grano.

44 3/4
36

No 1096 N. Grano.
Tricervatum

No. 1097 A' Guano

No. 1098 B' Guano, Chinchas Is.

No. 1099 C. Grano.
Chaetoceros new form

No. 1100 D. Grano. E. coast of Africa
Entopsyla australis

No. 1101 E' from Grams.
In balsam, July 16. Mr. Edwards N.Y.

No. 1102 F' Same as above

Fossil Polythalamia

No. 1103 Slide A. Monterey, California

Extracted by means of potassa, from a greenish stone

72 / 69 7/8	Rotalina macrostoma B.	
66 7/8 / 85 1/4	Grammostomum	
66 7/8 / 64 1/4	large fragment of ?	
67 1/4 / 28 2/3	Nonionina	showing orifice
"	Grammostomum	E. of last
65 / 64 1/8	Bulimina californica	good one
63 7/8 / 71	" "	another position
63 1/4 / 26 3/4	Rotalina macrostoma B.	
62 / 21 1/4	" "	showing orifice
56 1/2 / 81 1/8	" "	edge view
"	Bulimina Californica B.	N. of last
52 7/8 / 30	" " "	good
50 1/2 / 24	" "	
50 3/4 / 17 1/4	Rotalina macrostoma B.	
48 1/2 / 69 1/2	Bulimina californica	
46 1/2 / 81 1/4	Rotalina macrostoma B. 2 specimens	side view showing orifice
46 1/2 / 79 1/2	Grammostomum capitatum	
46 3/4 / 30 1/4	"	another species
45 1/2 / 86 3/4	Bulimina Californica, fragment of a large one shows pores + entire neck	
43 1/2 / 73 1/4	Bulimina californica good.	
43 3/4 / 68 3/4	"	another species
42 / 23	Grammostomum capitatum B.	
39 3/4 / 8 2	Rotalina macrostoma B.	good basal view
38 3/4 / 72 7/8	Grammostomum	nov. sp.
39 1/4 / 76	Bulimina californica B.	
"	Rotalina macrostoma B.	S. of last - top view
39 7/8 / 63	Grammostomum capitatum ? B.	

Slide A. continued

39 3/4 / 22 1/8 Grammostomum? deformed?

37 / 29 Bulimina ? species?

37 1/8 / 60 1/4 " another species

No. 1104 B. Monterey, Calif.

71 1/4 / 85 3/4 " Rotalina macrostoma B. edge view N. of last

67+ / 70 3/4 Bulimina californica? B.

66 3/4 / 66 1/4 Grammostomum capitatum B. side view

66 / 70 1/4 Rotalina macrostoma B. top view 2 spec.ns

64 7/8 / 75 1/4 Grammostomum broad one

62 3/4 / 82 1/4 " large one broken

61 / 64 2/3 " capitatum B

61 / 67 " " side view

57 1/2 / 68 1/3 " small one

54 1/2 / 89 1/2 " 2

54 7/8 / 69 7/8 Rotalina macrostoma B. oblique base view

53 / 63 Grammostomum capitatum B. " how entimes wall

53 / 68 1/2 Globigerina small one

51 3/4 / 80 1/4 Bulimina californica

51 3/4 / 89 Grammostomum capitatum B.

" Rotalina macrostoma B. just E of last

49 7/8 / 91 3/4 Bulimina slender one

48 / 69 3/4 " californica B.

46 3/4 / 77 1/2 Rotalina macrostoma B. 2 specimens

46 3/4 / 70 7/8 Bulimina broad one

" " slender one N.E. of last

43 3/4 / 67 1/4 Bulimina broad one

39 1/2 / 61 1/2 " slender one

40 / 74 " californica side view

38 7/8 / 81 1/4 Grammostomum capitatum B.

36 1/4 / 70 1/2 Bulimina broad one

2 boring orifice

P. (Continued)

3 2 3/4
6 5 1/4 Pulmina slender

3 0 7/8
8 0 1/2 Grammostomum ? nov. sp.

No. 1105 C. Monterey

62 3/4 / 69 1/4 Bulimina gracilis B.

62 1/4 / 69 3/4 Grammostomum Capitatum B.

60 3/4 / 81 1/4 Bulimina gracilis B.

59 / 66 3/4 " Californica

58 / 64 3/4 Strophocoma

58 / 66 1/4 Rotalina macrostoma B. edge view showing orifice

54 3/4 / 66 3/4 " " top view

54 1/2 / 62 1/4 " " oblique edge view good.

53 / 63 Bulimina gracilis B.

52 7/8 / 67 1/4 " "

50 1/2 / 62 1/4 Grammostomum Capitatum B. side view with orifice good

41 1/2 / 63 1/2 " Curiously deformed

35 7/8 / 76 7/8 Rotalina macrostoma B. oblique top view

33 / 79 3/4 Grammostomum Capitatum B.

No. 1106 D. Monterey

70 7/8 / 60 2/3 Rotalina macrostoma B. edge view showing orifice

62 3/4 / 64 1/4 Grammostomum broad one

57 3/4 / 57 3/4 Rotalina macrostoma B. edge view with orifice

" " oblique basal view

59 / 61 1/8

44 3/4 / 70 3/4 Bulimina? gracilis

45 3/4 / 71 7/8 " "

46 7/8 / 68 7/8 " Californica? young

44 1/2 / 66 " gracilis on left-

" " " 2 smaller ones

" " Californica young? on right

40 1/2 / 68 7/8 Nonionina? small

38 3/4 / 1/4 Bulimina Californica B. edge view

34 7/8 / 62 3/4 " "

" " " juv.? ?

34 1/8 / 60 1/8 " gracilis? 2 specimens.

No. 1107 E. Leon Springs, W. Texas.

58 7/8 / 66 1/2 Textilaria

55 3/4 / 80 3/4 "

55 1/2 / 80 1/2 Green sand cast of Polyst.a. N.E. of last.

53 3/4 / 66 1/2 Textilaria

53 / 78 3/4 Grammostomum

52 / 76 Plamlina ?

52 / 78 1/3 "

48 1/2 / 80 1/2 Textilaria

49 / 82 1/4 Phanerostomum ?

" Spiroplecta touching last on S.

46 / 62 "

" Plamlina ? S. of last

"

" Textilaria S. of last

" " W. of last

45 3/4 / 61 1/4 "

44 1/2 / 72 3/4 Textilaria, Plamlina ? 2 specimens

41 1/4 / 85 Textilaria striata ? broken

" Grammostomum. large fragment E. of last.

37 / 75 3/4 Plamlina ? 8 specimens

35 / 69 3/4 Grammostomum

No. 1108 F. Upper Missouri
Yellow calc. marl

39 3/4 / 63 Rhinocodonium dilatatum? good one.
" Textilaria striata? just above last-
60 7/8 / 26 1/4 Spirophecta Americana
53 7/8 / 76 1/4 " "

No. 1109 G. Upper Missouri-
Yellow Calc. marl-

No. 1110 H. Upper Missouri
Yellow Calc. Marl

No. 1111 I. Upper Missouri Yellow Calc. Marl

64 1/2 / 69 1/3 Spiroplecta americana
62 / 72 1/4 " "
60 / 28 1/2 Textilaria missouriensis ?
58 1/2 / 29 1/2 " eurycomus ?
57 3/4 / 66 1/4 " gomphocomus
55 7/8 / 75 1/8 " missouriensis
53 / 77 1/4 Phanerostomum
49 / 64 + " "
" " E. of last
41 1/8 / 78 1/8 Spiroplecta americana
40 1/8 / 70 1/2 Phanerostomum lucernum ?

No. 1112 J. Columbus, Mississippi
Coarsest parts. 260 feet

No. 1113 K. Columbus Mississippi
Coarsest parts. 260 ft.

No. 1114 L. Columbus, Mississippi

52 1/2 / 19 1/4 Rodosaria } 14 ft.

47 1/4 / 63 1/2 Soft parts of a Polythal.a

No. 1115 M. . Columbus, Mississippi 14 ft.

42 1/4 / 17 1/4 Spiroplecta Rosula Ehr. frags.

No. 1116 N. Columbus, Mississippi
Leavy Pont. 160 feet
+6 7/8 Dentalina ? Spinescens B. nov. sp.
61 3/4
+7 1/2 Spiroplecta Rossnla
84

[Slide no. 1116 has scratched in it the reading "140 feet". RKEdgar 3/1978]

No. 1117 O. Columbus, Mississippi
Leaviest portion 260 feet.

No. 1118 P. Jackson, Mississippi

59 3/4	Nodosaria	
26 1/4		
58	"	
62 1/2		
54 1/4	Grammostomum	large one broken
78 3/4		
52 3/4	"	large one
80		
52 3/4	"	small (with black specks)
71 1/3		
52 3/4	Spiroplecta rosenla,	long fragment
24 3/4		
48 1/4	"	" fragment
75		
47 1/2	Grammostomum	
82 3/4		
42 1/2	Spiroplecta rosenla,	with the spine-
76 1/2		
"	Textularia striata	N. of last

No. 1119 Q. Jackson, Mississippi

61 1/8 / 67 Spiroplecta Rosula

60 / 72 3/4 Spiral Polythal[a] with projections

58 / 75 1/2 Spiroplecta Rosula frag[t].

56 / 70 7/8 " " with spire

54 18 / 70 Grammostomum

51 1/4 / 64 3/4 "

52 / 62 Large spiral.

51 / 26 3/4 Rodosaria Scorpis ? ?

54 / 77 1/4 Grammostomum

45 / 68 1/4 Rodosaria ?

" Textilaria striata ? N. W. of last

47 3/4 / 67 3/4 ?

48 / 65 ? Spinose form

" Spiroplecta Rosula frag[t]. N. of last

" Textilaria striata S. of last.

No. 11211 R. Mission Station, Miss-

No 11211 S. Same as above-

No. 1122 I. Alabama

Matrix of Zenglodon

59 1/4 / 17 good cast of a spiral Polythalamious shell

+6 3/4 Cast of a Textilaria

82 1/4

+6 3/4 1/2 " with concentric rings

7 2

No. 1123 II. Centreport Alabama

No. 1124 V. Centreport, Alabama

No. 1125 V. Centreport Alabama

56 1/2 / 60 Dentalina ?

51 1/4 / 69 3/4 "

50 1/8 / 27 3/4 " ? large spinose one

62 / 69 3/4 Vaginulina

No 1126 K. Eocene of So. Carolina
Polythalamia with Ostrea sellaeformis

No. 1127 Y.
Chalk cleaned with .0~

Fossil Diatoms

No. 1128 Slide 1a. Richmond Va.

62 7/8 / 74 1/2 Coscinodiscus lineatus near a large broken Cos. oc. iridis
67 7/8 / 70 Coscinodiscus oculus-iridis Ehr.
" Grallionella sulcata, Column of 7 joints (touching margin of last
68 1/2 / 70 1/4 Craspedodiscus coscinodiscus Ehr.
68 1/4 / 69 2/3 Coscinodiscus ?
63 3/8 / 74 1/2 Navicula Sigma large one
63 / 62 3/4 ? curious fragment with coscinod. marking & festooned margin.
62 / 84 1/4 Actinoptychus 22 rays.
59 1/4 / 64 1/8 Craspedodiscus coscinodiscus just above a big air bubble
58 1/2 / 68 7/8 Eupelephania Diadema, seen obliquely showing teeth
57 1/2 / 69 with a small Cos. oc. iridis over it
56 / 69 3/4 Antacodiscus crux - seen obliquely -
58 1/8 / 68 1/2 Coscinodiscus perforatus - broken on one side
53 / 62 3/4 Coscinodiscus lineatus
52 3/4 / 60 1/2 Coscinodiscus oculus-iridis -
" Actiniscus seen obliquely S.E. of last
511 7/8 / 69 Goniothecium odontella Ehr.
511 7/8 / 62 1/3 Navicula Sigma Ehr.
50 / 65 7/8 Denticella with 2 rims -
Dygoceros ?
49 1/4 / 82 1/2 Polycistina
" Chaetoceros close to last on E.
47 / 76 3/4 Mastogonia 17 rays
49 3/4 / 69 Goniothecium odontella
" " " E. of last
48 3/4 / 82 " " E. of air bubble
45 3/4 / 74 3/4 Actinocyclus Senarius - 10 rays - blue disc
43 3/4 / 78 1/8 Goniothecium odontella Ehr -

Slide 1a. (Continued)

46 3/4	Maslogonia Actinophychus
77 1/2	
41	Triceratium obtusum Ehr.
74 3/4	
38 3/4	Goniothecium odontella
79 1/4	
27 3/4	Coscinodiscus gigas small one.
70 1/4	
44 7/8	Denticella tridentata side view
71 1/4	
43 1/2	Triceratium amblyoceros Ehr.
67 1/4	
40 1/4	Goniothecium obtusum? Ehr.
72	

No. 1129 Slide 1 b. Richmond Va "

44 1/2 / 67 1/2 — Like the next, 1 S.W. of Craspedodiscus coscinodiscus
55 3/4 / 80 3/4 — Curious fragment with festooned edge just below an air bubble
58 1/2 / 80 1/2 — Another piece of same.
51 7/8 / 71 7/8 — Another piece
66 1/2 / 29 7/8 — Actinoptychus quaternarius Ehr.
64 / 60 7/8 — Chaetoceros recurvum B.
" — Actinocyclus bioculatus - blue disc, just below last
62 3/4 / 69 1/2 — Coscinodiscus lineatus 2 specimens
62 1/2 / 32 1/8 — Actinocyclus bioculatus blue disc
60 7/8 / 26 7/8 — Navicula sigma Ehr.
60 / 23 1/4 — Triceratium obtusum ? deformed See Ehr. Mik. Tab. 18. fig 49
59 7/8 / 61 — Coscinodiscus lineatus
" — Lyrostephania 2 specimens touching last -
" — " showing teeth, S.E. of last on edge of field
58 7/8 / 67 — Triceratium
58 / 30 2/3 — Craspedodiscus coscinodiscus Ehr.
57 / 73 3/4 — Gallionella sulcata Ehr. column of 10 joints touching a broken Cosc. oc. indis
54 1/4 / 63 1/8 — Coscinodiscus punctatus Ehr. elliptical
53 3/4 / 29 — Rhizosolenia Americana
" — Fragilaria laevis just above last
45 / 26 3/4 — Polycistina
38 3/4 / 66 3/4 — Denticella tridentata Ehr. Biddulphia? between two Coscinodisci
38 7/8 / 26 1/8 — Mesocena diadema
" — Another N.W. of last partly obscured
36 3/4 / 74 1/4 — Triceratium amblyoceros Ehr.
35 1/2 / 74 7/8 — Craspedodiscus coscinodiscus

Record incomplete in all parts

No. 1130 1 c. Richmond Va

35 1/4 / 63 1/3 Pyxidicula limbata Ehr.

63 3/4 / 63 Gomothecium adantella

This slide has numerous specimens of Coscinodiscus, of Rhizosolenia Americana &

No. 1131 1 d Richmond Va

34 1/2 / 82 1/2 Coscinodiscus gigas

52 1/2 / 76 1/2 Chaetoceros incurvum B.

" 2 long specimens of Synedra - crossing near it on E.

48 7/8 / 76 Navicula Sigma Ehr. 2 specimens (Gyrosigma)

" Dicladia ? clathrata Ehr. between last two

48 / 25 1/2 Navicula (Gyrosigma) Sigma Ehr. near an empty ring - 2 specs + part of a large one

" Synedra capitata ? Ehr. just under the big one (in my microscope)

39 7/8 / 67 1/2 Dicladia ? clathrata Ehr. See Mik. Pl. 18 fig 100 at bottom left, touching a Coscinodiscus which touches an Actinocyclus

42 3/4 / 65 Bacteriastrum with 8 rays still unbroken & wanting -

No. 1132 1st Richmond Church Hill, Va

1	64+1/2 / 71 3/4	Chaetoceros recurvum
2	60+1/2 / 72	Pyxidicula (Actinoptychus?) limbata?
3	"	Mesocena diodon near last
4	55 / 62+1/2	Coscinodiscus oculus-iridis
5	"	Chaetoceros recurvum B. W. of last
6	"	Denticella tridentata S. of last
	"	Coscinodiscus punctatus small one W. of No. 5
	52+1/2 / 77	" oc. iridis large
	44+1/4 / 82+1/2	Ditylum virginicum B.
	41+3/4 / 61 3/4	Denticella tridentata Ehr.
	"	" E. of last
	40+1/8 / 83	Triceratium amblyoceros
	35+ / 68 7/8	Actinoptychus recurvirus

record very incomplete

No. 1133 1 f. Richmond Va (Church Hill)

38/84 1/8 Corrina apicule with net-work at base.

38 1/2/69 1/4 Coscinodiscus oculus-iridis, large one with broken margin

57/28 1/4 Cyclotella n. sp.

" Actinocyclus senarius touching last.

" Mesoptia alleinata B. S.W. of last & near it.

" Navicula sigma W. of last two

62 1/2/65 1/4 Stephanogonia small one W. of a bit of blue

61 3/4/75 1/4 Actinocyclus 11 rays.

61 1/2/66 1/4 Coscinodiscus oculus-iridis.

58 1/8/82 Actinocyclus pyxidicula Ehr. seen edgewise
W. of a bit of Pyxidicula
N. of Cosc. lineatus

58 3/4/80 2/3 Actinocyclus 13 rays

58 3/4/26 7/8 Empty ring

" Biddulphia reglecta B. inside of the ring.

" Systephania " " "

52/73 Xanthiopyxis alata W. of large bit of Cosc.

52/28 Goniothecium barbatum S. W. of 2 bits of Gneiss

51/24 1/3 Actinocyclus pyxidicula

50 1/8/79 7/8 Halicalyptra virginicum

47 1/4/82 1/4 Omphalopelta areolata ? Ehr.

No. 1134 1 g. Richmond Va.

54 1/8 / 78 3/4 empty ring)

" : S. w. of last, close to it.

65 3/4 / 79 Peristephania edge view obligue

: Coscinodiscus oculus-iridis- well centred

60 7/8 / 83 Dicladia 60 3/4 / 83 Stage

58 1/2+ / 85 1/2+ Craspedodiscus 58 1/2 / 85 3/4 "

57 1/3 / 77 1/2 Navicula (Synyona) sigma : 57 1/4 / 77 1/2

56 3/4 / 67 3/4 Coscinodiscus gigas good well centred

Navicula sigma 57 1/2 / 72 3/4

54 1/2 / 75 7/8 Coscinodiscus oculus-iridis 54 1/2 / 75 1/8 Stage

63 1/2 / 79 1/4 " " " 63 1/3 / 79 1/2

56 / 76 7/8 Navicula sigma 56 / 11

57 / 81 2/3 N. of 2 Coscinodiscus

54 1/4 / 87 1/4 Craspedodiscus

53 3/4 / 84 1/4 Nalionma small, S. E. of last

49 1/8 / 63 Actinoptychus 18 rays

49 3/4 / 64 3/4 Gallionella sulcata Column.

50 1/4 / 68 2/3 Peristephania : with inner ring

46 1/2 / 91 Rhaphoneis rhombus- near end of a filament

41 3/4 / 71 3/4 Zygoceros :

36 3/4 / 83 1/2 Denticella tridentata : base view

No. 1135 1 h. Richmond Va
Sigmoid Navicula in rings

No. 1136 1 i Richmond Va
(small slide)

45/63 1/4 Coscinodiscus
45/62 Actinoptychus with air
50 1/2/74 1/2 Navicula Sigma
46 1/2/72 Coscinodiscus
51/65 Goniothecium

No. 1137 1 j. Richmond Va.

5 2/60 1/2 Gonothecium dentatta

60 1/2/70 Actinoptychus 20 rays

66 1/2/28 Coscinodiscus oculus-iridis

" " " " E. of last.

5 4/66 1/4 Denticella bidentata Ehr.

No. 1138 1 k. Richmond Va.

68 3/4 / 71 1/4 Coscinodiscus oculus-iridis, slightly oblique

67 / 89 7/8 " " fine one

67 1/2 / 72 1/4 Denticella tridentata

67 3/4 / 63 1/8 Omphalopelta areolata Ehr.

62 3/4 / 87 1/4 Actinoptychus blue 13 rings

63 1/4 / 28 1/2 Gallionella sulcata Ehr. Column of 12 joints

61 2/3 / 76 1/8 Coscinodiscus gigas small one

61 1/8 " " "

89 1/2

61 1/8 / 64 1/3 Isthmia obligata? a fragment

59 / 70 7/8 Dictyocha Crux touching an empty ring

58 / 61 1/8 Goniothecium barbatum Ehr. S. of a small Cosc. oc. iridis

58 1/4 / 63 1/4 Actinoptychus blue disc 16 rays

" Dictiadia? clathrata Ehr. S.W. of last in the cross

58 1/8 / 76 3/4 Dictyocha Crux 2 specimens

" Actinoptychus senarius small N.W. of last

" " ? splendens S.E. of the Dictyochae

" Gallionella sulcata, numerous rings in same field as above.

No. 1139 1 l. Richmond Va

49 3/4 / 70 3/4 Chaetoceros

56 7/8 / 64 1/4 Craspedodiscus

63 3/4 / 64 1/2 Stephanopyxis ?

61 3/4 / 67 Coscinodiscus oculus-iridis ?

61 1/2 / 76 "

" Rhaphoneis rhombus S. of last

61 3/4 / 71 1/2 Denticella tridentata touching a Cosc. (endiscus

57 / 68 1/4 Rhaphoneis. long one, touching a bit of Coscinodiscus.

" bit of Coscinodiscus, showing structure well.

56 3/4 / 74 1/2 Coscinodiscus oculus-iridis good.

56 3/4 / 75 1/4

55 3/4 / 77 Coscinodiscus oculus-iridis

55 1/3 / 73 1/4

54 / 73 Triceratium amblyoceros

39 1/2 / 78 1/2 Navicula (Gyrosigma) Ligma

34 1/4 / 77 1/2 Mastogonia small

34 / 76 1/4 Festooned disc - fragment N. of a Coscinodiscus
{E. of a Chaetoceros

No. 1140 1 sm. Richmond Co.

65 Pinnularia like P. lyra E. of air bubble
63
64 1/4 Dictyocha crux
67 3/4
65 1/4 Coscinodiscus [illegible]
60 1/8
65 Navicula Sigma Ehr.
67 1/2
" fragment of ? with festoons - E. of last
65 1/8 Actinoptychus senaria 2 specimens
66 1/4
" Syplephania winding last
" Navicula Sigma. just above the group of 3.
64 3/4 Craspedodiscus Coscinodiscus Ehr.
26 3/4
" Navicula Sigma - just below last
64 7/8 Actinoptychus senaria
62
63 1/2 Navicula Sigma 2 specimens
68 1/4
" Gallionella sulcata - one ring near each of the last
61 1/8 Actinoptychus ceres Ehr. 22 rays.
65
61 1/4 Chaetoceros - just below a broken Coscinodiscus
64 1/2
61 1/4 Coscinodiscus punctatus (large one) elliptical
25
" " " small one S.W. of last
58 7/8 Triceratium amblyoceros - with a spine at each angle
71
56 3/4 Actinoptychus senarius - 16 rays
25 1/4
51 3/4 Dicladia clathrata
81 1/2
5 3/4 Denticella tridentata
62 1/8 Philadelphia
49 1/4 Rhizosolenia - very obtuse base - between two large fragments of Coscinodiscus
62 1/2
49 1/2 Goniothecium [illegible] ? turgid.
26
48 1/2 Chaetoceros N. W. of a Coscinodiscus
61 1/8
47 Goniothecium ? barbatum Ehr.
64 1/2
" Dictyocha [illegible] S.E. of last
46 1/4 Goniothecium odontella
22 3/4

No. 1141 1 m. (Continued)

+5+ / 82 Coscinodiscus gigas - (small) 2 valves overlapping -
" Peristephania just above last.
+3 1/8 Goniothecium Rogersii
72 1/3
140 Craspedodiscus coscinodiscus
80 1/4 " Coscinodiscus lineatus on left of last
" Navicula sigma - 3 specimens above + on right of C. coscinodiscus
38 3/4 / 67 1/4 Rhizosolenia americana
" { Craspedodiscus coscinodiscus
" { Navicula sigma } N. of last
38 3/4 / 61 Denticella tridentata
37 1/4 / 61 3/4 Actinoptychus Jupiter
37+ / 75 3/4 Chaetoceros good one, S.E. of large air bubble
35 7/8 / 62 1/8 Dictyopyxis crenata
35 1/4 / 62 1/4 Coscinodiscus perforatus Ehr. S.E. of last
5 / 23 1/2 Denticella tridentata, young
+8 1/2 " " " end view
25 1/2
+7 / 73 Rhaphoneis amphiceros Ehr.
+3 1/2 / 66 1/2 Actiniscus sirius - touching a bit of Coscinodiscus
+3 1/2 / 11 Fragillaria leuis Ehr.
+1 / 11 Goniothecium odontella end view
38 3/4 / 28 1/2 Coscinodiscus oculus - iridis.
" Actinoptychus octodenarius - touching last
36 7/8 / 65 1/4 Fragment of + with festoons
" Dyslephania + touching last
" Coscinodiscus lineatus just above

No. 1141 1 in Richmond Va.

69 1/4 / 70 1/8 Coscinodiscus lineatus Ehr.
66 3/4 / 73 Actinoptychus sedenarius
66 / 67 7/8 Mesoapta minima (very small ⊞, near lower edge of a broken Coscinodiscus
" Mesocena diodon N. W. of last
53 1/8 / 69 1/8 Chaetoceros - - ² fragment with one horn, inching a long vertical filament -
64 1/2 / 67 Actinoptychus vicenarius
63 7/8 / 68 Dictyum ² Small, in the space between 3 Coscinodisci, and just above a horn of Zygoceros
62 7/8 / 77 1/4 Coscinodiscus gigas - fine one.
" " oculus-iridis - E. of last
" " lineatus - between the two last -
60 3/4 / 61 1/8 Actinocyclus pyxidicula - inching the next -
" Actinocyclus senarius inching last.
" Coscinodiscus lineatus, N.E. of last two
60 3/4 / 60 1/8 " "
" Biddulphia ÷ pulchella B. N.N.E. of last like Monterey form -
59 7/8 / 74 3/4 Coscinodiscus gigas - small one
59 7/8 / 72 Mesocena circulus
" Mesocena diodon N.E. of last
" Navicula rigma S.W. of last two -
57 1/4 / 60 3/4 Synedra long curved one (nov. sp.)
" Hyalocalypta depressa, just above convexity of last
53 7/4 / 61 1/4 Coscinodiscus oculus-iridis
" Actinocyclus 14 rays, just below last.
Denticella tridentata Ehr.
55 / 60 3/4
54 3/4 / 70 1/8 Coscinodiscus punctatus elliptical
" Biddulphia ÷ N.W. of last.
54 7/8 / 23 7/8 Mesocena diodon deformed
" Chaetoceros, nearly E. of last, - N.W. of a broken (Case. lineatus

1 x. (continued)

54 3/4 / 60 — Dictyocha crux – near an empty ring
" — Ditylum ? Virginicum B. frag.ts S.S.E. of last.
54 3/4 / 80 1/3 — Chaetoceros wighamii B. N.E. of 2 Coscinodisci.
53 3/4 / 71 1/2 — Craspedodiscus pyxidicula Ehr.
52 3/4 / 60 1/4 — Dictyocha Cafrevalus Ehr. N.E. of a large broken Cosc. oc. iridis.
53 1/4 / 68 3/4 — Ditylum good one
" — Dictyocha near last
51 1/4 / 74 3/4 — Melosira circularis
" — Goniothecium odontella ? top view, touching last.
51 1/2 / 64 3/4 — Chaetoceros wighamii E. of a broken Cosc. Gigas
51 / 63 3/4 — Goniothecium ? barbatum Ehr. near a rectangular bit
50 7/8 / 63 3/8 — Dictyocha crux
" — fragment of a spinose body Zygoceros ? W. of last
" " " " N.E. of D. crux.

49 1/3 / 75 3/4 — Navicula Sigma
50 / 73 — Ditylum ? Virginicum B. broken
48 1/2 / 72 3/4 — Actinocyclus – blue disc all alone, 14 rays.
47 / 77 1/8 — Navicula Sigma
44 1/2 / 65 1/2 — Chaetoceros wighamii B.
41 1/8 / 64 — Navicula Sigma – 2 whole ones, & a fragment of (a larger one
38 7/8 / 67 3/4 — Coscinodiscus gigas – small one
43 7/8 / 67 1/4 — Zygoceros ? fragment with spine

No. 1142 Slide 2 a Piscataway, Md.
treated with KO. light portions

61 3/4 / 82 1/8 Chaetoceros bacillaria Ehr. fine one
34 1/8 / 72 1/8 Tricerations amblyoceros Ehr.

No. 1143 2 b. Piscataway, Md.
mith KO. heavy part

55 1/4 / 90 Denticella trid... Ehr. mith spines (view) side
47 1/4 / 22 Rhaphoneis rhombus?

No. 1144 2c Piscataway, Md.

5 3 7/8 / 6 9 Asclepias Maylandica centre broken

5 9 1/2 / 8 1/2 Asclepias Maylandica Ell. good ac-

No. 1145 2 d. Piscataway Md.

4 5 1/2 + / 3 8 3/4 Asclepias Maylandica Ell.

4 3 1/2 / 3 5 1/2 " " "

4 8 1/2 / 2 8 1/2 " " "

No. 1146 2 e Pescatoway, Md.

47 1/8 / 66	Asterolampra Marylandica	(Stage)
46 3/4 / 70 7/8	Coscinodiscus oculus-iridis	
64 / 67 3/4	" perforatus large.	63 3/4 / 68
63 1/8 / 64 7/8	"	63 1/2 / 65 1/2
	Asterolampra	62 1/2 / 24 1/4
62 3/4 / 70 1/2	" large, but broken	62 1/2 / 71 1/4
62 / 63 1/2	" " good	61 3/4 / 64
60 1/4 / 62 3/4	" "	60 1/4 / 63 1/8
	"	60 1/2 / 23 3/4
	Actinoptychus	58 3/4 / 25 1/2
	Coscno. oculus-iridis	58 3/4 / 23
	Asterolampra, with portion of ring N.E. of last	"
58 1/4 / 63 3/4	"	58 1/4 / 64 1/4
57 1/2 / 62 1/2	"	57 / 61 1/4
	"	57 1/2 / 23 3/4
	"	56 3/4 / 23 3/4
53 3/4 / 70 1/4	Triceratium amblyceros	53 3/4 / 71
54 1/4 / 67 3/4	Rhizosolenia	54 1/4 / 68
	Asterolampra portion of a large one N. of a bit of Cosc. oc.-irid.	52 1/8 / 22 1/2
	Asterolampra	49 1/4 / 48 3/4
	" S.W. of last	"
	Rhizosolenia S.E. of last	"
47 1/2 / 63 1/2	Asterolampra with portion of cube	47 1/2 / 63 3/4
39 1/2 / 48 1/2	Asterolampra, & many other Asterolampra not recorded	
62 3/4 / 65	Triceratium	

No. 1147 2 f. Priscilla Bay, Md.

5 5 2/3 / 81 1/2 — Asterolampra Maylandica ?? double disc: rim 5/3
5 5 1/2 / 65 1/4 — Asterolampra Maylandica !
6 2 1/4 / 72 1/3 — Denticella bidentata Ehr. — 62 / 72 1/2
6 1 1/8 / 79 — Actinogonia — 60 3/4 / 79 1/4
60 1/8 / 80 3/4 — Denticella bidentata — 60 1/8 / 80 3/4
5 8 1/2 / 75 1/4 — Actinogonia, with spines at centre and one at base of each rays — 5 8 3/4 / 76 1/4
5 7 / 84 1/2 — Rhaphoneis rhombus — 5 7 / 84 1/4
5 7 / 85 — Omphalopelta areolata — 5 7 / 85
5 4 3/4 / 87 3/4 — Denticella bidentata Ehr. — 5 4 3/4 / 71 3/4
5 3 3/4 / 88 1/2 — Asterolampra Maylandica — 5 3 1/2 / 88 1/2
5 3 3/4 / 87 — Coscinodiscus oculus-iridis — 5 3 1/2 / 87 1/8
4 9 3/4 / 83 1/8 — Dictyocha ? — 4 9 1/2 / 83
Asterolampra Maylandica (small, faint between 2 yellow spots in margin of field) — 4 6 1/4 / 73
4 4 3/4 / 82 1/8 — Asterolampra Maylandica — 4 4 1/2 / 82
4 2 3/4 / 80 — Eupodiscus 3 feet — 4 2 3/4 / 80
Denticella bidentata good one — 4 1 1/2 / 78 1/8
Eupodiscus 3 feet good — 4 0 / 86
Rhaphoneis — 3 9 3/4 / 67 1/4
Eupodiscus 4 feet good — 3 7 3/4 / 70 1/2
Coscinodiscus perforatus — 3 5 1/4 / 74

No. 1148 2 g. Piscataway, Md.

63 3/4 / 36+ Asclepias amplexicaulis var. pumila - first S. of a long filament

52 7/8 / 70 " " No. 1 good one

No. 1149 2 L. Piscataway, Md.

52 3/4 / 77 3/4 Asclepias amplexicaulis

57 3/4 / 79 3/4 "

(record to be continued)

a few Barbadoes Polycistins introduced by some accident

No. 1150 2 i Piscataway Md.

63 8/4 / 60 1/8 Asterolampra marylandica 8 rays

58 1/4 / 26 3/4 "

" another fragment to E. of last

57 1/4 / 30 Asterolampra marylandica, good one with part of outline

53 1/2 / 25 1/8 Actinocyclus with 2 spines

33 1/2 / 68 1/2 Asterolampra

60 3/4 / 60 stage Asterolampra marylandica with part of outline

51 1/4 / 26 3/4 Stage " " 51 1/4 / 27 1/4 by Indicate

42 1/2 / 27 Stage Coscinodiscus oculus-iridis? 42 3/4 / 28 1/4 "

41 1/4 / 71 3/4 Chaetoceros partly obscured 41 1/4 / 72 1/4

61 3/4 / 28 3/4 Asterolampra marylandica

41 / 72 3/4 " " 2 valves lost from

({a few Barbados Polycistina introduced by some accident.

No. 1151 2 j. Piscataway Md.
light portions

No. 1152 2 k. Piscataway Md.
Asterolampra marylandica

No. 1153 3a. Calvert Co. Md.

46 1/2 / 27 2/3 Haliomma: 4 specimens

45 1/4 / 26 1/2 " 3 specimens

44 3/4 / 25 1/2 " 1 with long spine

40 1/2 / 25 1/3 ? new genus

49 / 35 3/4 " 2 specimens

No. 1154 3b. Calvert Co. Md.

Polycistamina with a new Lithina

No. 1155 4 a. Richmond Va.

50 1/10 / 77 7/8 Chaetoceros, with very long arms, one broken between an empty ring, and a bit of Cos. (4 frus.) lineo-

48 / 88 Cyclotella ÷ with dots near margin

64 1/2 / 72 1/8 Biddulphia See Paper on Bermuda forms. — H. fig 24 a —

52 1/2 / 72 7/8 Stephanogonia nov. sp. ÷

54 1/4 / 74 1/2 Spicerabium obtusum ÷ Ehr. N. W. of Dictyocha fibula.

52 / 82 3/4 Mesocena areolaris ÷ S. E. of empty ring.

No. 1156 4 b. Richmond Va.

No. 1157 5a. Rappahannock, Va.
" Dr. Chilton

57/81 1/2 Actinocyclus large one
61/85 1/2 Craspedodiscus
42 1/2/73 1/3 Actinocyclus, large one, partly obscured
59 3/4/76 1/4 Craspedodiscus
43 1/4/84 Triceratium
58 1/8/81 Craspedodiscus
43/85 2/3 Triceratium

No. 1158 5 b. Rappahannock Cliff Va.
65 3/4/72 3/4 Craspedodiscus boiled in water

No. 1159 6a Petersburg, Va.

No. 1160 7a Hollis Cliffs, Va.

51/81 Coscinodiscus marginatus ? Ehr.

50/69 Triceratium amblyoceros Ehr. fine one

43 1/2/86 Actinoptychus many rays.

59 3/4/72 1/2 Coscinodiscus oculus iridis (omphalanthus ?)

No. 1161 Jb. Hollis Cliffs Va.
Hyalodiscus laevis Ehr.

No. 1162 Jc Same as above

No. 1163 Jd. Same as above

No. 1164 8a Bermuda

Plain indicator			Stage right line
48 1/2 / 65	Heliotella		48 1/2 / 65
44 / 66 1/4	Triceratium undulatum		44 / 66 1/2
	Triceratium		49 3/4 / 70 1/3
	Coscinodiscus omphalanthus?		54 / 27
	Omphalopelta areolata		60 / 67
	Chaetoceros	good	60 / 27 1/4
	Goniothecium		59 1/2 / 71 1/4
	Coscinodiscus Heleiopsis		57 1/2 / 63
	" perforatus		57 1/4 / 63 1/2
	Coscinodiscus		57 3/4 / 64 1/4
	Omphalopelta areolata		57 / 71 1/4
	Amphitetras	small, str W margin of group, S of Gallionella sulcatasing	56 3/4 / 60 1/8
	Coscinodiscus marginatus?		52 1/4 / 60 1/2
	Peripleura, by a yellow spot S.W. of a Heliopelta		52 1/4 / 68 1/4
	Heliopelta	3 rays	52 1/2 / 68 1/2
	Heliopelta	4 "	48 1/2 / 64
	Ceratospyris?		48 1/4 / 71 1/8
	Euodiscus	4 rays	47 1/2 / 79 3/4
	Triceratium undulatum?		46 3/4 / 27
	Zygoceros?	S.E. of a black spot	44 1/2 / 70 1/4
	Heliopelta	4 rays	44 1/2 / 72 1/8
	"	obscured	43 3/4 / 26
	Triceratium Solenoceros	in the crowd	49 3/4 / 60
	Euodiscus	4 feet	39 1/4 / 68 1/2
	Heliopelta	4 rays	36 / 69 1/4
	Omphalopelta	3 rays	"

No. 1165 8 b. Bermuda

4+5 3/4 / 69+ Heliopelta Eulerii Ehr. large one good 5

4+4 / 73 1/3 Heliopelta Leeuwenhoekii large one 4

4+8 1/2 / 71 Coscinodiscus large one with rose centre

No. 1166 8 c. Bermuda

4+5 / 66 3/4 Craspedodiscus elegans Ehr. broken

61 1/2 / 73 1/2 Heliopelta (Leeuwenhoekii)
4

5 2 / 27 1/8 "
5

56 / 64 " 4 C. S.

4+5 3/4 / 30 Coscinodiscus, large one with central cells

No. 1167 x d. Remnda

Stage

Chaetoceros diploneis top view

Small ellipse with rays - S.W. of a Zygoceros bifurcus

Triceratium undulatum:

Chaetoceros. horn of S.E. of last

Asterolampra 6 rays good

Naviculum tubulis B.

Chaetoceros, horn of

Zygoceros bifurcus

Heliopelta 4 rays

"

Eupodiscus 3 feet

Eupodiscus 4 "

Goniothecium

Triceratium edge view

Elliptical disc with knot.

Triceratium crenatum B. new

Triceratium Solenoceros Ehr. good

Coscinodiscus crenatus B. new

Coscinodiscus omphalanthus:

Heliopelta 5 rays

Eupodiscus: Zygoceros: round with 2 feet

C.S.

Triceratium

No. 1168 8e Bermuda

52 1/4 / 84 1/8 Riddulphia kolymera Ehr.

original specimen

No. 1169 8f. Bermuda

64 1/8 / 62 Mastogonia crux Ehr. (5 rayed variety)

63 3/8 / 72 1/4 " conical body with rays and punctate surface

59 / 71 1/4 Encyrtidium?

57 3/4 / 71 3/3 Chaetoceros. Like Brightwells fig 1? Mich. Jour. Vol. 18 pl VII.

No. 1170 8 g. Bermuda

+ 3 7/8
7 7/8
+ 7 1/8
8 "

Antacodiscus Crux Ehr.

Coscinodiscus Lange ine

No. 1171 8 h. Bermuda

No. 1172 8i Bermuda
recd fm A. S. Johnson
Apr 22. 1886

33 1/3 / 82 1/4	Actinocyclus crux
64+ / 80	Actinoc frag. 2 feet !!
37 1/3 / 71 1/3	Cosmodiscus emphalanthus ?
44 1/2+ / 72	part of Actinoc. crux.
44 / 67+	Heliopelta sellegnerii
13 / 63	Encyo. gnat.
36 1/2 / 28	Xanthiopyxis oblonga
49 / 25 3/4	Euodiscus yarnarius

No. 1173 8j Bermuda

Stage

Coscinodiscus omphalanthus 46 1/2 / 79 1/2

58 3/4 / 76 1/2 — Eupodiscus — 58 1/2 / 76 1/2

53 7/8 / 76 1/2 — Heliopelta — 53 7/8 / 76 1/2

57 / 66 — Heliopelta — 57 / 66

57 3/4 / 66 — Amphitetras — small — 57 3/4 / 66

Omphalopelta — 2 specimens — 63 3/4 / 78 3/4

Heliopelta — 5 rays — 61 3/4 / 77 1/2

53 7/8 / 68 1/2 — Coscinodiscus gemmifer? — 53 3/4 / 68 1/2

" — A. ? lecolampra? touching last on S.E. — "

Triceratium crenatum B. Jamb — 54 / 63 3/4

Zygoceros bifons Ehr. — 54 1/2 / 74 3/4

51 1/4 / 88 1/2 — Heliopelta — 4 rays — 51 1/4 / 88 1/2

51 1/4 / 69 1/2 — Triceratium polenoceros — 51 1/4 / 69 1/2

48 7/8 / 69 — Goniothecium — 48 3/4 / 69

Sceptroneis castracens — 3 spec^ns — 47 1/2 / 87

Triceratium undulatum Ehr. — 46 1/4 / 70 1/2

Triceratium undulatum — 48 / 79

Peristephania — 46 3/4 / 78 3/4

No. 1174 8 St. Bermuda

4 7 1/8 / 8 4 Actinolampra Wrayi Landica ? fine
2 valves superimposed
1 4 3 / 2 7 3/4 ? W. of a Dictyocha E. of a —
3 3 3/4 / 7 8 1/4 Craspedodiscus elegans
3 2 1/4 / 2 3 1/4 Rhizosolenia punctata
4 0 / 6 6 1/2 Euodiscus + fad
3 6 / 7 9 2/3 Craspedodiscus elegans Ehr.
3 3 3/4 / 7 1 1/4 Actinoptychus yellow
4 5 1/2 / 1 7 1/8 ? cones with lines
4 4 / 8 3 3/4 Encyclidium ?

No. 1175 8 f. Bermuda

41 1/2 / 90 Actinoptychus with "watered" surface

5 2 1/4 / 24 7/8 Mastogonia crux? 7 rays.

No 1176 8 m. Bermuda

4 3 / 6 2 1/3 Heliopelta Enleri Ehr.

4 3 1/2 / 81 1/8 Heliopelta Enleri Ehr.

No. 1174 8 m. Bermuda

+45 / 64 2/3	Denticella polymera Ehr.	top view
69 / 67 1/4	Coscinodiscus omphalanthus ?	
64 1/8 / 72 1/8	Triceratium undulatum ?	
64 1/2 / 63	Coscinodiscus omphalanthus ?	
64 1/3 / 61 1/4		Helveein & Coscinodisci
63 1/2 / 80 1/3		
61 1/4 / 78 1/2	Heliopelta	small
58 1/2 / 71 1/4	Triceratium	
53 / 24 1/2		
54 1/4 / 67 3/4	Goniothecium	side view
54 1/3 / 61	"	
54 / 26 3/4	"	
53 3/4 / 76	Triceratium solenoceros	
53 1/3 / 82 1/4	Goniothecium	top view
51 1/4 / 82	Craspedodiscus elegans	
+49 1/2 / 85 3/4	Mesocena triangularis B.	
+49 1/2 / 26 1/4	Heliopelta	4 rays good
+49 1/4 / 84 1/3	Chaetoceros diplonis	
+48 / 28	Goniothecium	E. of Coscinodiscus
+45 1/2 / 84	Heliopelta	4 rays good
+43 3/4 / 62 1/3	Goniothecium	
+43 3/4 / 70 3/4	Triceratium undulatum	
"	"	S of last
42 1/4 / 65 1/4	Triceratium	
32 3/4 / 73 1/2	Eupodiscus	3 feet
	Triceratium solenoceros.	

No. 1178 8 o Bermuda
Heliopelta Sellingerii

No. 1179 8 p. Bermuda Dr Vanausdale
Heliopelta Sellingerii
Stylocodiscus crux
Craspedodiscus elegans

Fossil Polycistins & Diatoms.

No. 1180 Slide A. Barbadoes

No. 1181 B. Barbadoes

By proper No.

Near [illegible]

4 3 3/4 / 75 1/2 Coscinodiscus nobilis, showing 2 spines well S.W. of large Actinomma fragts. N. of reticulated ovoid 4 3 3/4 / 75 1/2

2 57 / 76 1/4 (1) 8 div. 5 mar. prolongations centre perfect margin broken 56 3/4 / 76 1/3

56 1/4 / 75 1/4 (2) Cosc.s nobilis, showing spines 56 1/4 / 75 1/4

5 4 1/2 / 21 3/4 (3) 55 3/8 / 22 1/4 2 Cosc.s nob. under side 2 fragment nob. Philadelphia in contact 55 / 22 7/8

53 1/2 / 40 (4) 12 div. nucleated longanus fragt. 53 1/2 / 40 2/3

22 2 50 1/8 / 24 1/8 (5) 51 1/4 / 25 1/2 Cosc. nob. nearly perfect 51 1/2 / 26

4 5 3/4 / 28 1/4 (6) 46 / 28 1/4 9 div. 1 mc. 5 mar. prolongations below centre a good deal crumpled, but perfect S. of Actinophyllus and just below a spine 46 / 29

37 3/4 / 32 7/8 38 / 32 3/4 (7) 10 div. 5 nuclei 5 mar. below centre almost in contact with a broken Actinomma 38 / 33 1/8

4 5 / 73 1/2 quite minute, a little below centre 4 4 7/8 / 73 1/8

4 5 / 39 very thin 4 5 / 39

4 1 / 34 1/4 Centre fragt. of Coscinodiscus nobilis? partly covered 4 1 / 34 3/4

No. 1182 C. Barbadoes Springfield by new card B.

By No 7 and 2 glasses of Cheralins high power

$\frac{6\ 3/4}{3\ 3\ 1/2}$ $\frac{64^{+}}{24^{+}}$ (1) 7 divisions, centre not vacuolated, elem. N.E. of- $\frac{6\ 3/4}{3\ 4\ 1/2}$ marginal prolongations between nubiliens & dotted margin - fragment -

$\frac{5\ 8\ 1/2}{3\ 4\ 1/4}$ (2) fragment of shell of which you have photograph $\frac{29}{35}$ 20 divisions centre very large - dotted margin almost obsolete - only 3 divisions in fragment.

$\frac{5\ 8\ 1/4}{3\ 5^{+}}$ W. of not N. of 2 crossed × spicules

$\frac{58}{35}$ (3) $\frac{58\ 1/2}{35\ 1/4}$ fragment 10 div. W. of fragment of not 5 mar. prolong. 2nd not in focus $\frac{58\ 1/4}{35\ 3/4}$ used.

$\frac{55}{33\ 3/4}$ (4) Same as (3) except one o in centre

$\frac{55\ 3/4^{+}}{34^{+}}$ N. W. of Thustulla $\frac{55\ 1/4}{34\ 1/2\ 3}$

$\frac{54\ 1/2}{36}$ (5) $\frac{55\ 1/4}{36^{+}}$ Lioststephania, (partly crowded up in a crowd and N. W. of a small Triceratium, and $\frac{54\ 3/4}{E.\ 36\ 1/8\ W}$

$\frac{54\ 1/2}{79\ 1/4}$ (6) $\frac{55}{79\ 3/4}$ do E. of a brown spot $\frac{54\ 1/2}{79}$

$\frac{49\ 3/4}{34\ 1/4}$ $\frac{50^{+}}{34\ 1/2}$ (7) 8 div. plain centre 5 marg. prolong. fragment S.E. of 2 fragts. of Stalionima

$\frac{42}{70}$ (8) $\frac{42\ 1/4}{70\ 1/2}$ 1/2 a Coscinodiscus nobilis, showing the spines on the shell, originating just inside the large dots, one sticks out beyond the shell. S. E. of Stalionima $\frac{42\ 1/4}{70}$

$\frac{37\ 1/4}{32}$ (9) $\frac{38\ 1/4}{31\ 1/2}$ Lioststephania $\frac{38}{31\ 3/4}$ N. W. of centre of No. 7

$\frac{37\ 3/4}{31\ 1/2}$ by 4 mm 1/2 and grids rule

No. 1183 Slide D. Barbados Card B.

by ½ on No 7

54/39¼ (1) 54¾/39 9 div. 5 mar. prol.s no nuclei 54¼/39¾
S. W. of large bit of Halimeda

44¼/72 (2) 44½/72¼ 7 div. 5 mar. prol.s 44½/72¼ "
a mucilage fragt. of central portion
W. of large fragt. of Halimeda and in a group with

44¼/77 (3) 45/77¾ Coscinod.s nobilis 44⅞/77¼

4 3/4/74¼ (4) 44¼/75 16 div. long arms wide dotted margin
50 odd nuclei - centre perfect
with portion of margin

40½/74¾ (5) 44½/75 6 div. large marginal prol.s
probably the large irregular fragt.
a mere film

No. 1184 Slide E. Springfield Barbadoes-

Spencer 1/16 in field at N.E. margin by the specimen

61 3/4+ / 73 3/4+ — 61/73 (1) 61 1/8 / 73 3/4

by 1/16 — 60 3/4 / 40 1/2 (2) 60 3/4 / 40 3/4 12 divisions, no nuclei, 5 marginal prolongations between two arms- good specimen.

by 1/16 — 50 3/4+ / 70+ — 50 1/2 / 70 (3) 50 3/4 / 70+ 8 divisions- no nuclei. 5 mar. 50 3/4 / 69 3/4 two latter found at first trial-

Registered with a 1/4th Spencer, on movable stage- enamelled card graduation each shell well centred-

No. 1185 J. Barbadoes- new Card-13-

57 1/2 / 48 1/2 — Cellular lisine with large spines — 57 1/8 / 49

54 1/4 / 81 1/2 — Actinomma ? with cellular lisine — 54 + / 80 3/4

57 1/8 / 74 — 58 / 73 3/4 " lisine broken away — 57 3/4 / 73 1/2

51 1/2 / 71+ — Diabolisens with three horns unbroken — 50 1/2 / 71

46 / 41 1/2 (7/8) — 45 1/2 — Lonchod. nobilis - 45 1/2 / 42 ghost thereof-

2 42 / 2 41 1/8 — partly covered on the long leg above a Plusbullea and a long spicilum in the same field, bonds to it.

43 1/2 / 59 — fragment of Polycistin with strangely branched spines — 43 3/4 / 59 1/2

48 / 29+(1/2) — Cornutella — 48 / 29 3/4

43 1/2 / 41 1/2 — Small shell with 8 rays (43 / 41 3/4) in right margin of crowd, + and W. of a line joining 2 bbs of Plusbullea-

No. 1186 G. Barbados, Springfield
light fortines

58/64 1/4 Triceratium

" Coscinodiscus nobilis, Johnson

51 1/2/73 1/8 fragment of disc - with rays. E. of above small one.

49 1/2/71 1/4 Disc with rays - 2 valves, touching a ⊕

49 1/4/69 1/8 Disc with rays - small S.W. of a brown spot

48/67 Coscinodiscus nobilis Johnson good one

59/70 1/8 Hemiaulus? cuneatus, long central tail E. of bubble

53 3/4/17 Disc 3 rays small

40 1/2/25 1/2 " N. of a nodescript horn: good one

48/61 2/3 Disc S.W. of N.W. of Dictyophysis

41 1/2/29 7/8 Lithisthamnion? new disc
N. of ⊃
N.W. of ⊃

No. 1187. H. Barbadoes (Springfields)

1+8 1/2 / 80 — Disc 12 rays, and a rosette near a bit of light. Coarse net work.

5 2 3/8 + / 66 — fragment of large disc with rays.

5 0 7/8 / 80 3/4 — " " small " N.E. of a yellow spot.

5 1 / 74 1/4 — Disc 11 rays & rosette N.W. of ||

4 9 1/4 / 71 3/4 — Fragment of disc with 2 battledores

4 7 1/8 / 75 3/4 — ? ovals circular, punctatus & elliptical

No. 1188 I. Barbadoes (Scotland)

5 1 1/2 / 62 1/3 — st. stomma

4 2 3/4 / 30 1/4 — " obligue

5 3 1/2 / 21 1/8 — "

No. 1189 J. Barbadoes, Springfield

4-2 1/3
23 7/8
39 1/4 Stylodicta with large spines
49 1/8
36 1/4 Disc with rays- small. E. of a Committella
67 1/2
45 7/8 Coscinodiscus nobilis Johnson
20 1/4 Seen obliquely S. of a ○ filament

No. 1190 K. Barbadoes (Springfield
Light portions - boiled in Ag- then chlorated)

66 1/2
72 1/4 Disc. 8 rays small
47 1/4
63 1/2 3 Disc 7 rays- no nucleus- S.E. of ○
65 7/8
69 3/4 Disc 8 rays- small
52 1/3
73 1/4 Disc Seen obliquely, N.W. of a small Encyrtidium

No. 1191 L. Barbados.

51 7/8 Chilomma Like Haliomma with entire margin
68 7/8
66 1/4 Peladospyris
25 1/8
40
7 1/2 Anthocyrtis ! Mespilus ?
48 7/8 Haliomma with numerous flat rays.
27 1/3
1

No. 1192 M. Barbados Scotland District
with acids & Soda

59 Rhabdolithus Pipa : Mik. T. 36 fig 59 B.
80
65 1/2 Ceratospyris with many long horns.
85 3/4
58 Podocyrtis Schomburgii ?
7 3/4
51 8 Ceratospyris with long horns (...
13 1/4
46 1/3 Podocyrtis 3 very long feet - 1 2 broken
75 1/2
1

No. 1193 (gas) N. Barbadoes - Scotland district
: 5/64 s/x Cormtello : like C. fiscella

No. 1194 O. Barbadoes - Scotland district
cleaned with Hcl. gas.

No. 1195 P. Barbadoes, Scotland district

$\frac{5\ 2}{6\ 9\ 3/4}$ Podocystis allied to P. Schomburgii good one

No 1196 Q. Barbadoes. Scotland district

(1st results with Hcl acid gas)

$\frac{+9}{6\ 6\ 3/4}$ Liostephania

$\frac{+9}{7\ 3}$ Halicalyptra + large campanulate form

$\frac{+6\ 1/4}{6\ 1\ 1/4}$ Anthocystis fine one

No. 1197 R. Barbadoes, Scotland

1	63 3/4	Podocystis Schomburgkii Ehr.
	89	
2	63 7/8	Ceratospyris with 6 horns
	62 7/8	
3	53 1/2	Encyrtidium with clavate spine
	86 1/2	
4	52 3/4	〃
	90	
5	48 1/2	Podocystis 〃 very coarse net work and long feet.
	65	
6	35	Podocystis Schomburgkii
	81	
7	30 1/3	〃
	73 3/4	
8	45 1/4	like No 5.
	94	
	46 3/4	Triceratium
	80 1/4	
	41 1/2	Small Podocystis with long feet
	29 2/3	
	45 1/4	Podocystis ? two very long feet
	65 1/4	

No. 1198 S. Barbadoes

51 1/8 / 76 3/4 Rotalia ? 52/58

48 / 80 Haliomma ? with numerous marginal rays, broken showing nucleus and internal rays.

48 / 84 3/4 } Truncatulina bastellum B. 45/76 1/4

45 1/8 / 81 1/2 } Cosconodiscus nobilis, Johnson

38 + / 93 Johnsons form with nucleated centre and perforated margin - In right hand corner of ring, faint and partly obscured by

36 1/4 / 80 new form by stage indicator

37 7/8 / 82 3/4 Haliomma with coarse net & spines

36 3/4 / 87 1/2 " fine net inside of last.

35 / 79 1/2 Podocyrtis somewhat like P. stieglis

" " ? basal view of another species showing small spines.

34 3/4 Encyrtidium tubulosum

72 1/8

35 1/8 / 76 1/2 Haliomma Humboldtii ? marginal rays.

91 2/3 " numerous rays.

81 1/4 by 1 inch and stage indicator

30 / 73 1/4 Lithomitrium

No. 1199. J. Barbadoes. Springfield
(Leary Johnson,) heated with boiling water then Chlorated

48 87 Tricerations marginatum Brightwell
Portion of Johnsons beautiful one
See Quart. J. Mic. Sc. Vol. IV pl. 17 fig 13

41 1/4 Disc. Small with rays and nucleus.
79 7/8 " W. of a Stylodictya E. of a curved horn
64 3/4 Lithocyclia
63 1/4
" Podocyrtis echinocincta. S.W. of above just off the field

54 1/2 Rhabdolithis Ninja Ehr.
67 1/2

57
81 1/4
64 3/4 Lithocyclia
67

52 "
24 3/4

51 Haliscalyptra ?
24 1/8

51 1/2 Cerasospyris ?
68 1/2

No. 1200 U. Barbados. Scotland district (3 stage)

63 3/8 / 78 1/4 Triceratium venosum Brightwell
See Mic. Journ. Vol 4 - p XVII - fig. 5

55 1/2 / 79 3/4 Podocystis Schomburghii ? 2 specimens
50 1/2 / 72 1/4 " Mitra Ehr.
" " palpalis ? S. cl. of last
48 / 88 " ? Schomburgii good one with terminal spine and 3 legs (one leg broken)

40 3/4 / 75 3/4 Rhabdolithis Ostfa 40 3/4 / 75 1/2

No. 1201 U. Barbados. (Spring field)
boiled in No then chlorated (by candle light)
61 / 69 1/8 Coscinodiscus nobilis Johnson
60 / 80 3/4 Fragment of net work (Dictyocephalus ?)
57 1/4 / 69 Disc with rays - small S.C. of a broken Actinoma

No. 1202 W. Barbadoes, Scotland district
Treated with Ncl. and then with KO

49½ +
60 ÷
3 4
8 2 Podocystis Schomburghii ÷ good

No. 1203 Y. Barbadoes, Scotland dist.
Ncl. gas.

No. 1204 J. Barbadoes Springfield

24/108 Cuvirus Polycistus

24 1/2/85 " " Same species

33 3/4/26 Lithocyclia

No. 1205 J. Barbadoes

68 3/4/95 Encyrtidium tubulus: Ehr.

69 1/4/90 Podocystis spatalis Ehr.

48 7/8/73 1/2 " " ? good

28/75 5/8 Lychnocanium

No. 1206 A' Barbadoes

62 1/4 Lychnocanium 2 spec.
72 7/8
64 1/8 Lithornithium robin
70 7/8
61 3/4 "
42
59 " oblique basal view
33 1/8
55 1/2 " good specimen
61 1/2
34 1/2 Lychnocanium
66
38 1/2 " touching a Lychnocanium
34 3/4
48 3/4 Lithornithium with long projection
79 1/4
35 1/2 Coscinodiscus nobilis
76 1/3
43 spindle shape allied to
79 1/2 Encyclidium tubulus Ehr.

No. 1207 B' Barbadoes.

55 1/3 Triceratium castellum B. nov. sp.
81 1/4

No. 1208 C' Barbadoes

65/64 Haliomma? Saturnii

Ehr.

No. 1209 D' Barbadoes

53/79 1/4 Anthol ampra large one

52 1/4/82 3/4 Tricevatum shows processes at angles

51/28 Antholampra small one

42 3/4/64 1/2 " 6 rays.

48 1/2/70 Antholampra small. 2 valves. E. of a reticule bit of the nondescript.

No. 1210 E Barbadoes.

62 3/4 / 85 3/4 Lithocyclia - fine large one with spine

43 1/2 / 72 7/8 "

No. 1211 F Barbadoes.

38 3/4 / 27 Coscinodiscus nobilis Johnson.

35 2/3 / 33 1/4 Asterolampra ? 8 rays. (Johnsons form)

43 / 37 Disc with punctate centre, and narrow festooned margin - (near lower end of blue fibre which points to it.)

54 1/2 / 64 Arachnodiscus ? Small one near upper part of ring or right hand side.

No. 1212 St. Barbadoes

39 1/4.
7/4 Liostephania

35 1/2
60 1/2 Coscinodiscus nobilis Johnson broken.
large one near a

36
62+ Disc with nucleus and festooned margin-

41
26+ " " broken

No. 1213 St. Barbadoes

45
67 1/2 Coscinodiscus nobilis Johnson

41.
27+ " "

No. 1214 I' Barbadoes

140/37/4 Petalostyris Diabolisens Ell.

No. 1215 I' Barbadoes.

3 1/2 / 8 5 — 9 rays.

5 9 / 8 1/2 Dasemidiscus nobilis Johnson.

No. 1216 K Barbadoes

No. 1217 L Barbadoes.

No. 1218 M. Barbadoes

No. 1219 N' Barbadoes –
Asterolampra ?

No. 1220 O' Barbadoes Springfield

No. 1221. P' Barbadoes

No. 1222 Q' Barbadoes

No. 1223 R' Barbadoes.

No. 1465 Slide H. Gregory: Registered by R.C. Greenleaf C-1

Amphonema 30 28 30 29

Cocconema lanceolatum 35 11

Stauroneis aspera 39 17 39 20 = 35 18

Navicula praetexta 34 34

Diadesmis ? 40 30

Pinnularia alpina ? 40 23 41 24

P distans 19 33 19 34

Synedra 15 27 Kennedyana

what 16 16 16 17 disk

Nav. Smithii, var B fusca 17 27 17 28

what 16 35

Cascinodiscus - Denticula marina 20 29

Navicula spectabilis 22 31 22 32

N. clavata 22 21

N. bombus 25 17

Podosira maculata 23 10 23 11 Same field

Cocconeis distans 28 19

No. 1466 Slide B. Reg.d by R.C. Greenleaf.
C-3.

Amblycus ... 27/18

Triceratium sp ... 20/30

Amphitetras, very coarse granules arranged in {circles - antediluvian

Navicula ? splendida 19/29

Plenrosigma elongatum 15/24

Diadesmis ? Williamsoni. 13/24 13/25

Amphora 17/27 12/28

Navicula spectabilis .. 16/28

Denticula marina 26/30 27/31 27/14 27/15

Navicula. var. Smithii. 30/36 30/37

fusca. 29/36

Amphitetras 13/13

Grammatophora serpentina 16/13

Plenrosigma decorum 28/18

No. 1467 Slide C. Reg.d by R. C. Greenleaf.
C-5

Plenrosigma ... $\frac{14}{26}$ / $\frac{14}{27}$ = $\frac{39}{18}$

Nav.a Kennedyi $\frac{39}{26}$ / $\frac{39}{27}$

Cocconeis distans. fine specimen $\frac{13}{25}$ | $\frac{14}{25}$

Grammatophora serpentina sids ... $\frac{19}{25}$

Navicula spectabilis $\frac{18}{28}$

Stauroneis aspera fragments

Dradiosmis "

Denticula

No. 1468 Slide D. C-6

$\frac{39}{27}$ Amphitetras antidelluviana

No. 1469 Slide E. Gregory 5-2

Registered by C.S.

30/35 × Amphora excisa Grey.

37/24 Nav. brevis

20/× 33 Denticula marina

27/33 Pin. allemania } ×
Coccone. ornata }

28/33 Navicula subborealis

16/12 Nav. nitescens

15/9 × N. fusca

10/20 N. spectabilis

26/10 × Synedra Kenedyana F.V.?

25/18 Cocconeis distans Grey } fig. does not agree with his description.

Glenshira Land

No. 1470 Slide F. 7=2 Gregory
Regd. by R. C. G.

21/27 22/27 Cocconeis distans 30/30

27/27 = Navicula bombus .. 30/15/30/15

31/28 32/28 N. spectabilis 36/30/36/31

23/29 N. Hemedyi

13/15 N. clavata

12/22 N. or Pinnularia Pandura ? var. elongata

32/18 Amphinema geminatum

29/21 Var. lyra 32/28 33/23

frequent Grammatophora serpentina

... " maculatum

24/19 Coscinodiscus ?

34/18 .. Rhabdonema

34/19

31/14 .. Cocconeis seu ornata

31/15 frequent Pinnularia distans 30/31

24/12 Coscinodiscus nitidus

24/13

39/14 N. Smithii var. nitescens

39/15

22 . . . " " fusca

24/22/25

14/26 Synedra undulata Gregory.

Toxarium undulatum Bailey

30/26 what ? a singular object, broken

12/27 Synedra Hemedyana Gregory

12/28

11/22 12/22 Nitzchia ?

21/18 22/28 Var. Smithii var. subcircularis

29/30 Synedra Baculus 30/21

29/31 Var. maxima one

30/31 " Synedra narrow var.

30/30 Var. angulosa or Var. palpebralis ?

33/31 34/31 Amphiprora formosum.

No. 1471 Slide G. "Gregory M.D. 57"

29/25 Plenrosigma naviculaceum

33/31 Synedra Hemidyana 23/24. Greg. one dam bent 23/25 ----- Toxarium B.

27/31 = Cocconeis distans

22/32 Grammatophora serpentina

30/28 Navicula Smithii. var. fusca

24/26 = Ennotia bividu

27/17 Grammatophora marina

14/24 Cocconeis pseudomarginata

23/18 Navicula lyra

18/18 = Odontidium

29/19 Grammatophora maculatum ÷

16/18 | 17/18 = Amphonema olivaceum

17/17 | 13/18 = Biddulphia

28/18 | 29/18 Navicula Libellus Esc. PP VII. 71
See Glenshina

27/18 | 28/18 Rhabdonema

12/17 Plenrosigma ÷

Cymbella turgida

25/15 Toxarium undulatum, Bailey

25/14 | 26/14 N. lyra, small var.

No. 1472 Slide H. (9-10')

Amphiprora lepidoptera
23/41 Plenrosigma ± sp.
Nitzchia ± sp.

18/40 " Cocconeis pseudomarginata
18/41 C dimpta, fragment.

32/39 = Synedra 23/35 Baculus ± Gregory

16/37 Pinnularia distans
16/38

18/37 Plenrosigma Is this form described
18/38 by Gregory. Fig 1 Plenshina ±

24/38 Nav.a lyra, small

30/36 = N. amphisbaena Imch

: Stauroneis aspera, abundant

30/36 - Plenrosigma siderimedium Smith

27/36 | 28/36 Amphiprora complexa

" Grammatophora serpentina

Achnanthes

Cocconeis scutellum

20/26 = Epithemia gibba

16/25 = Surirella constricta
S. lata abundant

21/17 = Navicula clavata

No. 1473 Slide I. Gregory coll. 1905

elegant specimen 13/28

28/25 Actinocyclus Ralfsii Greg.

27/25 Amphiprora complexa Greg.

Surirella 21/21 lata W. S. ... 36/32 × / × 37/23

27/25 Amph. lepidoptera Greg.

20/31 21/31 Coscinodiscus dimpla Greg. 9/30

21/27 Amphitetras antidiluviana

21/28

33/28 34/28 Grammatophora serpentina very large -

20/22 side V -

29/22 Campylodiscus Ormond

21/21 edge view ?

20/11 21/11 Coscinodiscus rhombifera Bailey -

No. 1474 Slide J. Gregory 5d (3) 5'

33/37 Gomphonema geminatum

24/36 | 25/36 Navicula pandura Breb.

21/24 N. latissima Lng = Gregory

35/34/35/35 N. Bombus 28/18/28/19 Lange

33/33 Campylodiscus angularis, Grey.

27/32 C. = decorus Pl 5 8 11

16/32 = Campylodiscus - notice the granulated costa Edge 2

12/24/12/25 = 15/29 | 16/29 = C. Horologium Smith

40/18 = Nav. latissima, Gut.

No. 1475 Slide K. Gregory 20 d (3) 10

28/7 Campylodiscus eximius

12/14 Var. maxima Greg.

29/13 Campylodiscus decorus Breb.

— — fastuosa

10/31 Campylodiscus limbatus Breb.

16/37 Var. nebulosa Greg.

Nitzschia sandwiciformis 13/16

Amphiprora elegans 26/16

Diadesmis Williamsoni 26/18

Surirella fastuosa abundant

Nitzschia distans 28/20

28/21

Pleurosigma formosum . . . 27/22

Nitzschia
Pinnularia viridis
Campylodiscus 24/22

Pleurosigma pigidium 13/26

Tribionella marinata 12/23

Campylodiscus eximius 15/24

Nitzschia figmatella 19/22

19/23

Gomphonema geminatum 12/23

12/24

No. 1476 Slide L. Gregory

No. 1477 . Slide 1a Neuse River N. C.

Podosphenia Ehrenbergii

Navicula oralis and Smithii

34/21 Camphylodiscus cribrosus

Epithemia turgida, common

E. ventricosus

Nitzschiella gracilis

11/20 = 18/29 Navicula ?

41/23 = 20/33 | 21/32 Amphiprora alata

41/24 20/33 | 21/34

30/29 | 31/29 ... Terpsinoë americana

... Navicula punctata

Amphora spectabilis ? Gregory

Surirella splendida

18/25 = 27/20 | 28/20 Surirella ? like Keyetii Pond Slide 6 specimen 24/20 | 24/21

Actinocyclus undulatus

Nitzchia scalaris

Navicula lyra

17/21 ?

Himantidium

Nitzchia sigmoidea

34/16 N. ?

26/21 N. ?

37/18 = 36/21 | Nitzchia ? Is this Brightwellii ?

28/18 | 29/18 = 30/19 | 31/19 | 31/20 Navicula ?

26/17 total ?

Pleurosigma Baltica

Surirella striatula

87/19 | 20/20/20/28 Navicula "

Synedra

10/27 .. 10/28 Navicula ?

No. 1478 Slide 1 b. Nemo River N. C.

No. 1479 2 a Mystic Pond Mass.

No. 1480 2 b. Mystic Pond Mass

No. 1481 Slide 3a Hull Inlet, Mass.

Pleurosigma Baltica

P. elongatum Thus

Navicula lyra

Amphora

Amphiprora alata

Navicula didyma

Epithemia

Navicula Smithii

? Hantzschii

Coscinodiscus

Nitschia

No. 1482 4a Peat Great Kill

No. 1483 Slide 5a St. George River, Me.

34/35
14/14 Rhabdonema

27
15- Hyalodiscus subtilis

24
15 Grammatophora serpentina

Achnanthes fragment

15-
17 Plenrosigma planjodum

32
24 .. Navicula nidica Granite 1 x 5 13
32 July 1862
25-

21
25- .. Plenrosigma Baltica

21
26 Campylodiscus

No. 1484 Slide 6 St. Georges River, Maine

18/29 18/30 Campylodiscus ?

31/29 31/30 Rhabdonema arcuatum

29/13 = 25-27 25-28 Nitzschia ? new

25-/26 -- Campylodiscus

19/25 .. Navicula cuspidata

.. Biddulphia aurita

15-/24 16/24 32/33 32/24 Rhabdonema ? 26/24

39/19 Navicula lyra

30/19 Coconeis ? like 35-/17 35/18 ... beautiful

37/18 38/18 .. Nitzschia angularis

37/19 37/20 ... Grammatophora ?

20/19 G. marina

21/16 31/1 Rhabdonema minutum ?

35-/21 Navicula granulata Bailey 35-/21

26/17 N. latissima ? granulata Pritchard

21/17 Gomphonema curvatum

24/15- Stauroneis aspera abundant

22/16 23/16 -- Navicula Smithii

.. Nitzschia sigma

27/16 28/16 Styloduscus subtilis broken

29/24 Coconeis ? entellum fragment

32/16 33/16 Grammatophora maculatum (maculata)

14/24 14/25 Plenrosigma Fasciola

29/24 Epithemia granulata

25-/14 = 32/24 Coconeis ?

Pinnularia directa fragment

35-/27 19/24 Plenrosigma angulata ? fines Striae

36/23 Navicula rhombica ? (Pritchard)

Slide 6. (continued)

Actinocyclus undulatus, fragment

28/15 Navicula oralis

28/16 22/15 Nitzschiella ?

30/13 Navicula. very small V. Smith

17/33 28/33 Nitzschiella acuminata ? 33/15 22/16

33/17 33/18 Cocconeis placentula ?

17/13 Navicula lyra v. ?

26/22 26/23 = Cruciscus Lauriella

26/29 What ? Biddulphia

33/30 Orthosira ?

21/23 Pinnularia distans

Pleurosigma Baltica

Isthmia broken

Navicula didyma

No. 1485. Slide ja Bottom of Bemis Lake
C. A. Bush.

No. 1515 Slide No 8. Newberry -
Bodega, Sonora Co Cal

No. 1516 Slide No 9. Newberry -
Pit River. Lamm Creek

No. 1517 Slide No 10 Newberry-
Pit River

No. 1518 Slide No 11 Newberry-
Pit River - 20 Miles
above Upper Canon

No. 1519 Slide No 14. Newberry -
Plain about Klamath Lake

No. 1520 Slide No. 25 - Newberry -
Hills at Dalles

No. 1521 Slide No. 26. Newberry.

Mud of Lakes, Cascade Mts.

60 1/4 / 70 7/8 Gomphonema geminatum

65 / 60 1/8 Amphicampa mirabilis Ehr. See Mik. Pl. 33. VIII fig. 2

Cocconeis aspera

Stauroneis pinnata Ehr. S. E. of last

Cocconeis - numerous specimens

Surirella splendida

Surirella

Cocconema

Gomphonema

Navicula

Epithemia

Gomphonema geminatum

Gomphonema

Cyclotella

Cocconema

Pinnularia ribbed

Cyclotella

Gomphonema geminatum

" " 2 side view

Camphylodiscus

Cymatopleura elliptica ?

Navicula Spenceriii ?

S. of a brown jointed Spicula ?

65 / 60 1/4

68 3/4 / 71 1/2

"

68 1/2 / 26 1/4

67 / 64

66 3/4 / 66

66 / 60

63 1/2 / 73 3/4

60 1/2 / 72 1/4

59 1/4 / 83 3/4

58 1/4 / 76

53 3/4 / 71 1/2

53 3/4 / 86 1/4

52 1/4 / 87 1/2

48 / 69 3/4

47 3/4 / 49 1/4

46 1/4 / 77

45 1/2 / 72 1/2

43 1/2 / 64 1/4

37 / 84 1/2

36 3/4 / 80

No. 1522 Slide No 26. Newberry

37/79 Campylodiscus

No. 1523 Slide No 39 - Newberry -

Klamath Lake

No. 1524 Slide No. 32 Newberry - Shoal water Bay -

			Stage
56 1/4 / 73 3/4	Coscinodiscus		56 1/3 / 73 3/4
49 / 78 1/8	Pinnularia	frags. with large ribs -	48 7/8 / 74 3/4
53 3/4 / 26 7/8	"	whole one	53 3/4 / 26 1/4
	Denticella	annitum Ehr. Not a large brown spot	
	Encotia	4 toothed	
	Epithemia		
	Gomphonema	small one (frond incomplete)	

41 / 74 3/4	Nitzchia		40 3/4 / 74 1/4
38 3/4 / 79 3/4	"		38 1/2 / 79 1/4
38 1/8 / 71 1/2	Pinnularia	Digitus, large one	38 / 71 1/4
37 3/4 / 64	Synedra ?	or Nitzchia	37 3/4 / 63 1/2
42 1/2 / 60 1/2	Navicula	Baltica	42 1/2 / 60 1/2
43 7/8 / 73 1/4	Nitzchia		43 3/4 / 72 1/2
38 / 78 3/4	Pinnularia	peregrina ?	38 / 78

No. 1525 Slide No. 33 Newberry - Shoal water Bay.

57 7/8 / 63 1/2	Coscinodiscus	broken	57 7/8 / 63 1/2
70 1/2 / 69 1/4	Pinnularia	Digitus	70 1/2 / 69 1/4
	"		68 / 71 1/2
	Actinoptychus		67 / 69 1/2
	Nitzchia		66 1/4 / 62
	Campylodiscus ?		65 / 29
	Cocconema	aspera	64 1/2 / 75 1/2
63 1/2 / 73	Pyxidicula ?	elliptica B.	63 1/2 / 73 1/4
63 1/2 / 69 1/4	Nitzchia	2 valves separate	63 1/2 / 69 1/2
	Pinnularia		62 1/2 / 83
	Pyxidicula elliptica ?	N.W. of last	"
61 1/2 / 76	Epithemia		61 1/2 / 75
60 / 61	Surirella ?		60 / 61 1/4
	Cocconema Ehrenbergii or Pinnularia major alis / Cocconema	n. sp ?	56 / 72
			50 6/4 / 72 1/4
45 1/4 / 72 1/2	Surirella		45 1/4 / 72 1/2
44 / 78 1/4	Nitzchia	good one	44 / 78
42 7/8 / 63 1/4	Tetracyclus	lacustris	42 3/4 / 63
42 3/4 / 25 1/3	Navicula	maculata ? B.	42 3/4 / 25 1/4
37 3/4 / 63 1/4	Campylodiscus	new	37 3/4 / 63 1/2

No. 1526 Slide No. 34 Newberry-
Rhett Lake

Recent Diatoms from Bodega Bay California

No. 1527 Slide A:

56 1/4 / 72 Arachnoidiscus Ehrenbergii B.

68 1/2 / 73 3/4 Actinocyclus Oregonus Hon. et Bail.

64 1/4 / 74 1/2 Coscinodiscus: fine markings

65 1/4 / 76 3/4 Actinocyclus Oregonus N. B. 10 feet

58 / 67 3/4 " " 17 "

57 1/8 / 68 1/2 " " 12 "

57 1/2 / 75 1/4 " " 13 "

55 3/4 / 85 1/2 " " 18 "

51 1/4 / 73 1/4 " " 14 "

40 / 64 3/4 " " 12 "

38 1/4 / 67 1/4 " " 14 "

34 / 65 3/4 " " 12 "

42 / 72 1/2 " " 20 "

44 1/8 / 65 1/4 " " oblique view

63 / 72 " " " "

57 / 66 1/4 Cyclotella magna B. mod.

56 / 73 1/2 Isthmia obliquata, many other Specimens (of this one on the slide)

55 / 64 1/4 Cerataulus turgidus? Ehr. 68 / 71 1/2
(= C. californicus B mod)

53 1/2 / 72 Actinoptychus superbus B. mod.

51 / 68 Actinocyclus Ehr.? Ehr. 4 feet

50 / 77 1/4 Cerataulus turgidus? Ehr.

48 / 78 1/4 Hyalodiscus Californicus
a beautiful test object for 1/4" or 1/8" objectives

47 3/4 / 67 Hyalodiscus Californicus

51 / 83 " "

44 / 63 Stauroptera aspera Ehr. side view

39 7/8 / 64 3/4 " " top "

62 1/2 / 67 Triceratium alternans? C.S.

60 / 78 Am. Oregonus 15 feet. single valve C.S.

Small 12 Millimeter Stand

No. 1528 Slide B. "Bermuda Tripoli" -

58 7/8 / 61 1/4 Heliopelta Eulerii Ehr. (10 rays)

56 1/2 / 68 1/8 " " "

51 1/8 / 26 1/4 " " "

4 3/4 / 64 1/8 " Leeuwenhoekii Ehr. 8 rays

42 1/2 / 64 1/4 Lygoceros ? Circularis ? ined. N.E. of last-

46 1/8 / 23 3/4 Triceratium undulatum Ehr. near a blue Actinoptychus-

55 / 29 7/8 Chaetoceros diploneis Ehr.

47 1/8 / 79 1/4 Triceratium (Small one seen edgewise)

" Heteromphalus. Small one, touching the last on the East-

54 / 78 1/2 Mastogonia 7 rays

60 1/4 / 77 Amphitetras ? Small one. N.N.W. of an Actinocyclus in same field-

60 1/8 / 69 Coscinodiscus omphalanthus ? } Ehr.
" " " radius iridis ? }

" Triceratium W. of last.

47 1/4 / 86 1/4 Euodiscus quaternarius Ehr.

46 / 27 3/4 Coscinodiscus radius iridis ? Ehr.

" Sceptroneis Caduceus Ehr. touching last-

" Sceptroneis Caduceus " 2 fragments crossing, just above the Coscinodiscus

21 / 43 No descript. touching Coscinodiscus

No. 1529 Slide L. Richmond, Va.

55 1/8 / 28 Coscinodiscus gigas Ehr. large

" " " " small one.

" " oculus iridis Ehr. " " touching last.

62 1/4 / 63 3/4 " gigas Ehr.

68 3/4 / 69 3/4 " marginatus Ehr. (small)

" " gigas Ehr. E. of last.

68 1/4 / 73 " lineatus Ehr.

67 3/4 / 71 1/4 Dicladia ? nov. sp? (small)

62 / 67 1/4 Coscinodiscus lineatus Ehr.

" Mesocena circularis Ehr. N. of last.

60 1/2 / 69 Coscinodiscus perforatus Ehr.

" Systephania ? touching upper margin of last.

" Dictyocha fenestra N.E. of last.

61 1/2 / 28 3/4 Chaetoceros incurvum B. N. of a broken Cosc. lineatus

58 3/4 / 75 " " (cingulum with 4 horns)

58 1/2 / 72 1/10 " " 2 horns broken, touching a bit of Cosc. marginatus.

59 / 63 1/4 Chaetoceros n. sp? S.E. of a broken Cosc. gigas.

57 3/4 / 69 1/4 Coscinodiscus gigas Ehr.

" " oculus iridis ? Ehr. 2 specimens touching last.

60 / 80 1/8 Navicula (Gyrosigma) Sigma Ehr. at S.E. corner of a spot of lamp black.

" Chaetoceros. S. of spot of lamp black

50 7/8 / 69 1/2 Denticella / Biddulphia } tridentata Ehr. side view

49 1/4 / 72 3/4 Biddulphia reticulata B. mod.

" Actinocyclus Ehrenbergii Ehr. S.S.W. of last touching a broken ring.

48 1/2 / 78 1/3 Navicula (Gyrosigma) Sigma Ehr. near upper end of a long bit of Synedra

43 1/4 / 67 3/4 Gallionella sulcata Ehr. forming a column.

43 7/8 / 78 2/3 Bacteriastrum Virginicum B. mod.

touching E. margin of a Coscinodiscus.

No. 1539 Slide b. (Continued.)

42/72 Actinoptychus octodenarius Ehr.

" " " N. E. of last

" Dictyocha cruc. 2 specimens in lower part of field.

No. 153 Slide D. Maryland - Piscataway

63 2/3 Actinolampra Maylandica Ehr.

58 1/4 / 76 " "

45 1/4 / 69 1/2 " "

52 / 69 1/4 Coscinodiscus oculus-iridis? Ehr.

59 / 77 Denticella tridentata Ehr.

55 1/2 / 62 1/2 Rhaphoneis rhombus

" Mastogonia near last

52 1/4 / 67 3/4 Coscinodiscus, showing structure well.

50 1/8 / 66 " oculus-iridis Ehr.

48 / 67 1/4 Gomiothecium top view

42 1/8 / 74 1/3 Crasheodiscus pyxidicula Ehr.

59 / 70 1/4 Omphalopelta areolata Ehr.

48 3/4 / 67 Mesocena triangularis

49 / 65

No. 1531 Slide E. Altamaha River - Georgia

46 2/3 / 81 3/4	Euglyphidiscus radiatus E. (Rice field earth)
63 1/4 / 72 1/2	" "
59 1/2 / 74 1/2	" "
57 / 77 1/2	" "
40 / 67 1/2	" " slightly deformed.
62 / 75	Triceratium favus Ehr.
61 1/4 / 78 1/4	" "
51 1/2 / 79 1/4	" "
59 3/4 / 77	Biddulphia tridentata Ehr. / Denticella
54 / 77 1/2	Amphitetras ornata Shadbolt. 3 angled variety
49 / 63 3/4	Euglyphidiscus germanicus Ehr. 3 feet.
47 / 61 1/4	" guadermarius Ehr. 4 "
49 / 76 1/4	Zygoceros rhombus Ehr.
46 1/4 / 61	" "
46 3/4 / 78 7/8	" "
46 / 68 1/4	Terpsinoë musica Ehr. Seen obliquely
45 3/4 / 73 1/4	Coscinodiscus oculus iridis? Ehr.

Fossil (fluviatile) Diatoms

No. 1532 Slide F. West Point N.Y.

65/70 Navicula maegnalis Ehr. 4 specimens

54 3/4 / 71 1/4 Stauroneis Baileyi Ehr.

" Eunotia tetraodon touching W. of last.

" Navicula dilatata, just N. of Staur. Baileyi.

46 1/4 / 73 1/2 Navicula maegnalis Ehr. } vertical and side by side

" Stauroneis Baileyi " }

41 7/8 / 69 3/4 Stauroneis Baileyi "

" Navicula maegnalis " touching end of last.

54 7/8 / 64 3/4 Amphidiscus rotula Ehr. 2 specimens together (= Spongiolites)

" Navicula maegnalis Ehr. W. of above

" Stauroneis gracilis Ehr. N. of last.

51 7/8 / 65 3/4 Amphidiscus anchora Ehr. lying across a bit of Pinnularia

53 3/4 / 75 1/4 Coconema aspera Ehr.

" Navicula maegnalis. just below last.

41 1/8 / 81 1/8 Spongolithis aspera Ehr.

63/73 Navicula Bacillum Ehr. (small.)

" " " N. W. of last

62 1/2 / 64 3/4 Eunotia pinnodon Ehr.

No. 1533 Slide G. Blue Hill Pond, Me.

52
61 Primularia gigas Ehr.

59 1/8
73 2/3 " "

60
69 2/3 " "

59
67 7/8 " "

55 1/8
75 1/2 " " 2 specimens

55
63 7/8 Stauroneis Phoenicenteron: Ehr.

51 1/2
29 1/8 Surirella splendida Ehr. obscured.

44 1/2
77 1/4 Coconema asperum Ehr.

No. 1534 Slide K.

Greensand and other casts of Polythalamia from cretaceous rocks, New Jersey, U.S. America

49 1/4 / 19 3/4 Spiral cast of a Rotalia

57 1/4 / 23 3/4 " " "

48 3/4 " " "

71 / 47 / 60 portion of spiral, with connecting tube.

No. 1535. Slide I. Enterprise Florida

200 miles fm. mouth of St. Johns R.

50/8 70 1/4 Terpsinoë musica Nos view

60/2 78 3/4 " "

" Achnanthes near W. of last

50/67 1/2 Terpsinoë musica

The great mass on the slide is composed of Odontella polymorpha of Kützing.

No. 1536 Slide J. Monterey
(lower stratum)

No. 1537. Slide K. N Lake house
San Francisco

Soundings Atlantic Ocean

No. 1567 Slide A.

Lat. 37° 05' N. Lon 14° 30' W.

140 Fathoms

No. 1568 Slide B. 1310 Fathoms

Lat. 44° 41 N. Lon. 24° 35' W.

No. 1569 Slide L. 1360 Fathoms

Lat. 44°41' N. Long. 24°35' W.

No. 1570 D. 1311 Fathoms

Lat. 44°41' N. Lon. 24°35' W.

No. 1571 Slide E. 1360 Fath.

Lat. 44° 41' N Long. 24° 35' W.

No. 1572 F. 1580 Fathoms

Lat. 49° 56' Lon. 13° 13' 45" W.

No. 1573 Slide G. 1580 Fathoms

Lat. 49° 56' N. Lon. 13° 13' 45" W.

No. 1574 H. 1580 Fathoms

Lat. 49° 56' 30" Lon 13° 13' 45" W.

No. 1575 Slide I. 2000 Fathoms

Lat. 54° 17' N. Lon. 22° 33' W.

No. 1576 J. 2000 Fathoms

Lat. 54° 17' N. Lon. 22° 33' W.

No. 1577 Slide K. 1300 Fathoms
Bottom of Ocean

No. 1578 L. 1310 Fathoms
Lat. 44° 41' N. Lon. 24° 35' W

No. 1579 M. 1310 Fathoms
Lat 44° 41' N. Lon 24° 35' W

No. 1580 Slide N. 33 Fathoms

Lat. 0- 29' 58" Lon. 45° 56' 35" W.

No. 1581 Slide O. 2150 Fathoms

Lat 13° S. Long. 162° E.

No 1581½ Slide O. Same as above

No. 1582 Slide P. Atlantic Ocean
2280 Fathoms
Ship Villa de Bilboa Lat. 0-21' N. Lon 23°28'52" W.

No. 1583 Q. Atlantic Ocean
Ship Villa de Bilboa Lat 0.21 N. Lon 23°28'52" W.

No. 1584 Slide R. Atlantic Ocean 2280 f.
Ship Villa de Ribera Lat 0. 21' N. Lon 23° 28' 52" W.

No. 1585 J. Deep Sea Soundings
Rhopalastrum Langenosum Ehr.

No. 1586 Slide I. Atlantic Ocean
2280 Fath
Ship Vella de Bilboa - Lat 0. 21' N. Lon. 23° 28' 52" W.

No. 1587. M. Atlantic Ocean
Inner parts - 2280 Fathoms.

Perry's Japan Expedition -

No. 1588 Slide ft. (31 ft.)

54/4/70 Denticella tridens Ehr. & pustules. Small-

52/8/71½ " " " Longer

42/63 " " 4 " Large

No. 1589 Perry - B - (31 B.)

No. 1590 Perry L. (Land St.)

washed from a Sargassum.

+8 / 28 3/4 Entophysa 2 frustules

+0/8 / 38 1/2

No. 1591 Perry D. Jeddo Bay

57 1/4 / 87 1/4 Amlacodiscus-

57 3/4 / 88 Arachnoidiscus Japonicus

64 1/4 / 23 1/3 Denticella bidentula Lin. top view

45 / 82 1/2 Amliscus-

61 / 31 Nitzschia

61 / 27 1/4 Tetragramma 2 frustules

No. 1592 Perry E. Isabella Bay. 24

51 1/4 Stylaxodiscus
71 1/2
41 1/2 Arachnodiscus
62 1/2
37 3/4 "
61 3/4

No. 1593 Perry F.

42 7/8 Campylodiscus
73 3/4+
49 7/8 2 frustules of Tetragramma 2
40 1/2+
52 1/4 Campylodiscus
76 1/2
53 3/4 Cyclotella Kützingii 2
29
46 Nitzschia
77
47 Diploneis
28 2/3
49 3/4 Stylaxodiscus
24 1/2

No. 1594 Perry - G. Jeddo Bay - May 11 - 1853
Sent to Judge Johnson

146 1/4 Amphitetras - with Denticella tridens near it
76 1/4
37 1/2 Anliscus
80
37 1/2 Campylodiscus partly obscured
82
36 1/2 Aulacodiscus
96
58 3/4 Arachnoidiscus
89
63 Amphitetras
73 3/4
69 Anliscus - deformed
64 1/2
69 Amphitetras ? rhombic form, {on other slides several seen
85 1/2
57 1/8 Aulacodiscus
67 1/4
42 1/4 Arachnoidiscus
71 1/2
36 1/2 Aulacodiscus - dark - look at it as {object opaque
85
145 1/2 Aulacodiscus
84 1/8
30 Arachnoidiscus
61 1/2

No. 1595 Perry H. S. Side of Japan
50 1/4 Aulacodiscus -
30 1/2

Soundings various.

No. 1596 Slide St. Ocean 1300 Faths.

No. 1597 B. So Cl. of Sand St.
7 Faths. 2 ft.

No. 1598 C. Pontine 150 Faths.

5 3 3/4 / 2 1/4 — Triceratium favus - very large
4 2 1/8 / 80 1/4 — Podocystis ? fragment
4 0 1/8 / 73 1/4 — Hyalodiscus radiatus good one
4 2 3/4 / 72 1/4 — Encyrtidium ? ?
3 9 / 69 3/4 — Horn of Chaetoceros falcatum
3 2 / 73 1/2 — Haliscanya with 2 holes.
3 8 / 75 — Histrastrum Lambdae frag't.

No. 1599 D. Strs. of Sangar
Hanach No. 1- Risings 29 faths

No. 1600- E. Agulhas Bank. S. Africa
Light portions obtd by floating- 70 fath-

No. 1601 F. Edge of Agulhas Bank-
natural state- 70 fathᵐ S. africa

No. 1602 L. Key Biscayne 2½ fath.

No. 1603 M.
washed from Soundings Portion 15. 19 Fath.

No. 1604. I. Gulf Stream - Portion 9 -
100 Fath.

No. 1605 J. 1800 Fathoms
(broken)

No. 1606 K. (broken)
Amphora? Lat. 0. 32'

No. 1607 L. Coast of Georgia
Triceratium favus Ehr. Inland passage
60 miles from Jacksonville

No. 1608 M. Lat 38. 04. 40 Lon. 73° 56. 47
90 Fathoms

No. 1609 N. Lat. 40. 59. 55 - Lon. 71. 48. 55
19 Fathoms

No. 1610 O. Soundings N no. 1 - 90 Fathoms
By Irrigation - Lat 38. 04. 40 Lon. 73. 56. 47 -
S. E. of Henlopen.

No. 1611 P. Soundings N. No. 2 10 fathoms
By Irrigation - Lat. 38. 40. 40 - Lon. 75. 0. 30 -
S. E. of Cape Henlopen -

No. 1612 Q. Soundings N. No. 17 20 fathoms
By Irrigation - Lat. 38. 29. 56 - Lon. 74. 38. 04
S. E. of Henlopen.

No. 1613 R. Soundings N. No. 67. 50 fathoms
By Irrigation Lat. 38. 09 - 23 Lon. 74. 04 - 05
S. E. of Henlopen -

No. 1614. S. Soundings D. No. 27. 20 Fathoms.
By levigation. Lat. 38° 41' Lon. 74° 06'

No. 1615 T. Soundings D. No. 31. 30 Fathoms.
By levigation. Lat. 39° 28' 35" Lon. 72° 44' 35"

No. 1616 U. St. George's Bank.
Peridinium longipes Bailey.

No. 1617 V. St. George's Bank
Peridinium

No. 1618 V. St. George's Bank.
Chaetoceros
Rhizosolenia

No. 1619 Z. Near Great Point Light.
Dictyocha fibula &c. Nantucket.

No. 1620 N. Near Great Pt. Light
Denticella dubra on Nantucket -

No. 1621 Z. Near New So. Shoal, off Nantucket
Denticella dubra Bailey - See figure in Report
{ on Soundings

No. 1622 A' Soundings off Nantucket -
Denticella dubra 16¼ Fath.

No. 1623 B' Infusoria. Excavation for building, corner of Wall & Water Sts. N.Y.

No. 1624 C' Same as above

No. 1625 D'
Silicified Polythalamia.

No. 1626 E' 110 ft. under Charleston S.C.

No. 1627 F' 135 ft. below Charleston S.C.

No. 1628 G' Fort Wachita
Polythalamia in blue slaty clay.

No. 1629 H Fort Wachita

No. 1630 I Derry, Vt.
Fossil Infusoria, Partly dissolved in Hydro c. acid.

No. 1631 J Derry Vt.
Same as above

No. 1632 K. : Trentham, Mass.
Fossil Infusoria

No. 1633 L. Bermuda
Chaetoceros diploneis side view.
near Prof. Codonodiscus

No. 1634 M. Bermuda

No. 1635 N' Bermuda.
Polycistinae

No. 1636 O' Bermuda
levigated-

No. 1637 P' Locality unknown.
Stauroneis partly dissolved in Hydrofluoric ac
Navicula

No. 1638 2' Locality unknown.

No. 1639 R' Do. Carolina
Polythalamia

No. 1640 S' Mud of Kemble's Mass.
Polythalamia.

No. 1641 J' Levant Mud.
Dentalella tridens.

No. 1642 K' Levant Mud.

No. 1643 L' Levant Mud

No. 1644 . W Levant Mud

No. 1645 X Boston, Lincolnshire, Eng.
Fossil Lagena &
" Polythalamia

No. 1646 Y same as above

No. 1647 Z" Eng-
Fossil minutiae contained in a
substance called "Floating Brick."

No. 1648 A" Thames Gravesend

No. 1649 B" Wye, Maryland
Polycistina

No. 1650 C" Wye, Maryland.

No. 1651 D" Wye, Maryland

No. 1652 E" Wye, Maryland
Fossil Polycistinae

No. 1653 F" Wye, Maryland.

No. 1654 G" Calvert Co. Maryland.

No. 1655 H" Petersburg.

No. 1656 I" Petersburg. Va"

No. 1657 J" Petersburg - 30 feet

No. 1658 K." Petersburg. Sa"
Cinkodriens germanicus.

No. 1659 L" Petersburg, Va.
Eupodiscus gnatemarius Ehr.
Denticella

No. 1660 M" Petersburg, Va.
Lyg·ceras rhombus

No. 1661 N" Petersburg, Va.
Eupodiscus (Near York River.

No. 1662 ♂ Petersburg Va.

Zygocerus rhombus

Eupodiscus gimcaria

E Rogersii

No. 1663 ♀ Richmond Va.

(by candle light)

34 3/8 Dictyum

80 1/2

34 3/4 " N. W. of Lose. oc. iridis.

72

No. 1664 Q" Richmond Va "

53 3/4
61 7/8 d. Goniothecium obtusum ?
in the ring of a Coscinodiscus

48 1/2
60 3/4 d Goniothecium dontella Ehr.
4 specimens- side views.

47
65 d " dontella " "

67 1/2
43/8 b Goniothecium Rogersii Ehr.
in the ring of a Coscinodiscus

57
63/4 d Goniothecium obtusum ?

58 d " " 2 specimens-
72/8

65 7/8
24 a

48 1/2
28 a Biddulphia tridentata Ehr.

60+
72 3/4 d Craspedodiscus Coscinodiscus Ehr.

No. 1665 R" Richmond, Va"
4 9 3/4
6 9 3/4 Triceratium, curiously thick and distorted.

No. 1666 S" Richmond Va"
Chaetoceros recurvum

No. 1667 T" Richmond Va"

No. 168 W" Richmond Va.
Chaetoceros a fragment-

No. 169 V" Richmond Va
Infusoria - Behind Monumental Church
Polythalamia - upper bank of Gratton-

No. 170 V" Richmond Va.
3d Ravine behind Medical College

No. 1671 Z" Richmond Va.

No. 1672 Y" Richmond Va.
Chaetoceras

No 1673 Z" - Richmond Va.
Upper part of stratum.

No. 1674 A. A. Richmond Va.

No. 1675 B. B. Richmond

No. 1676 C. C. Richmond Va.
Triceratium amblyoceros.

No. 1677 D. D. Richmond, Va.
Disc from Infusoria –
Cosmodium gigas Ehr.

No. 1678 E. E. (probably Richmond)
58 3/4 Cosc. cc. iridis 2 specimens.
70 1/2
52 1/2 " "
70
44 Navicula Sigma
74
45 Craspedodiscus
67

No. 1679 J. F. Piscataway, Md.

No. 1680 G. G. Piscataway, Md.

No. 1681 H. H. Piscataway Md.
Heterocampa marylandica

No. 1682 I. I. Petersburg Va.

No. 1683 J. J. Pamunkey River. Va.
(Miocene)

No. 1684 K. K. Hollis Cliffs. Va.

No. 1685 L. L. Brownis Mills Va.

No. 1686 M. M. Meherin River Va.

No. 1687 N. N. Meherin River Va.

No. 1688 O. O. Stratford Cliffs Va.

No. 1689 P. P. Stratford Cliffs Va.

No. 1690 Q. Q. Rappahannock Cliffs Va.

No. 1691 R. R. Rappahannock Cliffs

No. 1692 S. S. Rappahannock Cliffs
St. Stilton

No. 1693. T. T. Rappahannock Cliffs.

No. 1694 U. S. Bristol Mine - Cliffs
on Rappahannock Va.

Frémont Series

No. 1695 Slide A. Oregon.
Fossil Infusoria

No. 1696 B. Oregon
Fossil Infusoria

No. 1697 C. Oregon

No. 1698 D. Oregon
Fossil Infusoria

No. 1699 E. Oregon
Fossil Infusoria

No. 1700 F. "

No. 1701 Slide L. Oregon
Fossil Infusoria

No. 1702 H. "
Polythalamia

Marine - Diatoms

No. 1703 Slide 1a. St. Georges Bank
From Stomach of Botryodactyla grandis.

No. 1704 1 b. Same as above

No. 1705 1 c. St. Georges Bank
Chaetoceros sc - from Stomach of Botryodactyla

No. 1706 Slide 1 d. St. Georges Bank
from Stomach of Bolyodactyla grandis.

No. 1707 1 e. St. Georges Bank.
Same as above

No. 1708 2 a Fort Hamilton, N.Y.
Melosira

No. 1709 3a Rockaway, N.Y.
Navicula Sigma ?

No. 1710 4a Stonington, Conn.
? Nenosigma formosum Smith
Hyalodiscus

No. 1711 5a Edgartown Harbor.
Channel midway between inner & outer buoys.
Amphitetras

No. 1712 5b. Edgartown Harbor Mass. Middle bay.
Mastodiscus punctatus Bailey-
Amphilectus

No. 1713 5c. Edgartown Harbor.

No. 1714 5d. Edgartown Harbor.
Euplectella-

No. 1715 5e. Edgartown Harbor, Mass.

No. 1716 5f Edgartown Harbor, Mass.

No. 1717 5g. Edgartown Harbor, Mass.
Mastodiscus punctatus Bailey-
Ceratanthus longistus

No. 1718 5h. Edgartown, Mass.
Entodelenia

No. 1719 5i Edgartown Harbor, Mass.
Enpodisens

No. 1720 6a Outer buoy off Cape Poge
Mastodisens Martha's Vineyard.

No. 1721 6b. Cape Poge -
Mastodicus

No. 1722 6c. Cape Poge -

No. 1723 6d. Cape Poge -

No. 1724 6e Cape Page.

No. 1725 6f Cape Page
Mastodiens punctatus.

No. 1726 6g Outer buoy Cape Page.
Expodiens
Triceradinus.

No. 1727- 6h. Cape Roge.

No. 1728 6i- Outer buoy Cape Roge-

No. 1729- 6j. Outer buoy off Cape Roge.

No. 1730. 6 k. Cape Page.

No. 1731. 6 l. Outer buoy. Cape Page. Explosions.

No. 1732. 6 m. Outer buoy off Cape Page.

No. 1733. 6 m. Outer buoy, Cape Poge.
Euspodiscus
Triceratium ? arms.

No. 1734. 6 o. Outer buoy, Cape Poge.
Cerataulus turgidus Ehr.

No. 1735. 6 p. Cape Poge.

No. 1736. 6 ♀ Cape Page.

No. 1737. 7 a Rio Janeiro.

No. 1738. 7 b. Off Flores. Rio de Janeiro.

No. 1739. 8a Monte Video.
Spicules and a few Diatoms in Innd.

No. 1740. 9a Buena Vista, Mexico

No. 1741. 10a East Indies.
Stuckes Innd.

No. 1742 11a. Assistance Bay.
Corvallis Island.

No. 1743 12a. Oregon

No. 1744 13a. Gulf Stream
Grammostomum perelegans Bailey

No. 1745- 14 a. St. Julien S. America

No. 1746- 15 a Boston Harbor-
Podocystis Americanus- D. Dunbar

No. 1747- 16 a Marsh near Sandy-

No. 1748 17 a Loc. unknown
Marine diatoms

No. 1749. 17 b. Locality unknown.
Marine diatoms

No. 1750 18 a Loc. unknown.

148 1/2	Nitzchia fig. 37 in ring-
73 3/4	
45 1/4	" another species
30 3/4	
54 1/9	top view of a Polymyxod-
77 3/4	

No. 1751 18 b. Locality unknown.

61 1/2 Epsodisens
67 1/4
61 Pinnularia magna B.
69
54 + Amphitetras cuspidata B.
61 3/4
52 Nitzchia granulata B.
11 1/4
50 " " other valve.
11 1/2
49 1/2 Dictylum
85 1/8

No. 1752. Slide A. Chalk England.

No. 1753 B. Chalk.

No. 1754 C. Chalk.

No. 1755 D. Chalk.

51 1/4 Nodosaria anglica ? a fragment.
63 1/8
50 3/4 Spicule ?
81 1/2
46 1/2 Nodosaria monile obscured.
70 1/8
44+ Spiroplecta Rosula ?
68 1/4
4 3 3/4 Textilaria dilatata, broken but good.
2 3 1/4

No. 1756 E. Chalk. Dover, England.

No. 1757 F. Chalk, Dover, England

writing chalk used in Barracks, heated
first with Sulphate of Soda, then with CO_2

33 3/4 Grammostomum ? large one
77 1/4

" Rigenerina acanthophora N. W. of last
See Mik. Pl. 28 fig. 22

41 3/4 Grammostomum scabrum Ehr.
74 3/4 See Mik. l.c fig 14

70 1/2 Textilaria dilatata Ehr.
65 See Mik. l.c fig 7

its vertex at a yellow spot, an air bubble in
the cell but not

65 Plamdina amphalostiba l.c fig 45
69 1/8

63 1/4 Textilaria dilatata showing orifice
24 1/4

"This catalogue cannot belong to this slide
C.S "

No. 1758 G. Chalk.

52 1/2 2.
76

No. 1759 H. Chalk from Dover, Sussex Eng.

No. 1760 I. Chalk from the interior of a flint. Silicified Polythalamia.

No. 1761 J. Chalk Meudon, France

No. 1762 K. Chalk Meudon, France

No. 1763 L. Chalk Mail Ehrenberg -
Oran, Africa.

No. 1764 - M. Chalk Mail - Ehrenberg -
Oran, Africa

Smithsonian Cont.

No. 1781 Slide N. Greenport, N.Y.

141 Podocystis - fig. 37-
35 2/3
140 Surirella C.S.
30
149 Rhabdonema "
148

No. 1782 S. St. George's Bank

From Stomach of Bryodactyla grandis
acted on by acid- fig. 21. 22.

60+ Chaetoceros boreale
64 1/3
50 1/4 " "
76 2/3
49 3/4 " "
12 1/2
141 7/8 " " Seen obliquely
41.
44 " " 2 specimens
43+

No. 1783 Slide b. Hudson River.

$\frac{5\frac{1}{2}}{7\frac{1}{2}}$ Anhisens pruinosus B.

No 1784 D. Garden Key, Florida

Climacosphaenia fig 9 & 10.

No. 1785 E. Halifax -

68 4/4 Zygoceros radiatus ÷ B. obligue view.
69 7/8
65 1/2 Isthmia faint, near a black spot.
70+
64 Diploneis
74 1/4
63 Lamphodiscus
72 1/4
64 Hyalodiscus. N.E. of the Diploneis - small one
75

No. 1786 F. Ballast Point - Tampa Bay Florida -

50 7/8 Triceratium (fig. 28.)
61 1/8
56 1/4 Auliscus primosus B. obligue view
28+
52 1/2 Euodiscus radiatus B.
70
44 3/4 Auliscus primosus B. top view
30

— C.S —

1x0 Auliscus primosus, side view, like
75 the fig. in Smithsonian Cont.
44 3/4 Chamber shell very fine -
74

No. 1787 G. Ballast Pt. Florida.
Washings of Sponge Dr. Vanatta

4+3/8 Diploneis
70 1/4
4+0/4 Stauroneis caelatus B.
78+
35 1/2
64+1/8 " " "

No. 1788. H. Ballast Pt. Florida
2 valves
60 Mastogloia, Grunow B.
39 7/8 Triceratium broken
59
75 7/8

No. 1789 I. Duval's Creek, Florida
Campylodiscus argus B.
Campylodiscus clypeus.

No. 1790 - J. fig. 23 - 24.
Synedra undulata Bailey.

No. 1791 K. Petersburg, Va.
Euphodiscus germanicus -
Zygoceros rhombus -

No. 1792. L. Richmond, Va.
Chaetoceros recurvum fig 1830 -
Zygoceros side view

No. 1793 - M. Niagara Falls -
Stephanodiscus Niagarae &c

No. 1794 - N. Halifax
65 3/4 Navicula granulata B. fig. 1 -
22 -
56 Amphiprora
68 1/2
51 3/4 Navicula sigmoid -
63 3/4

No. 1795. D. Halifax

5 2/ Hyalodiscus
6 7/
4 1/2 "
5 1/
4 4/ Lyrocerus radiatus B. fig. 29
6 7/
5 0/8 Stauroptera oblonga B. 3 specimens.
5 7/2

C.S.
5 1/ Campylodiscus? very remarkable.
6 6/

No. 1796. P. Ft. Fracombe fig. 20.
Amphitetras antediluvianum
Grammatophora africana?

No. 1797 D. do st Hudson River

No. 1798- D. Hudson River.

No. 1799- D. Hudson River. West Pt.

No. 1800 - D. near West Point on Hudson River

Lichnophora

Cocconema

& other parasitic Infusoria.

No. 1801. E. Hudson River, N.Y.

No. 1802. F. Hudson River near West Pt.

No. 1803 G. Hudson River near W. A.
Licmophora ?

No. 1804 H. Hudson River

No. 1805 I. Hudson River

No. 1806- J. Indian River.
Coccoconema
Dactylaria paradoxa

No. 1807- K. Indian River
N.B. the longest filament

No. 1808- L. Indian River
Lucinophiura

No. 1809. M. Hudson River

No. 1810. N. Hudson River

No. 1811. O. Hudson River

No. 1812 P. Hudson River

Desmidieae.

No. 1813 Slide A Westmoreland
England.

No. 1814 - B. Westmoreland, Eng.

No. 1815. C. N. Wales -
Selenemorus Brebesonii

No. 1816- D. Wales.
Enastrum affine

No. 1817- E. N. Wales.
Enastrum pelti.

No. 1818- E.
Enastrum gemmatum-

No. 1819. G. No locality.

No. 1820. H. Wales.
Enastrum pelta.

No. 1821. I. Coast of Yorkshire.
Tricalulina tuberculata.

No. 1822. J. Dolyelly, Wales.
Xanthidium fracatum

No. 1823. L. West Point. N.Y.
(Tyndaridae

No. 1824. M. West Point, N.Y.
Closteria

No. 1825- N. England.
Plocamium coccineum -

No. 1826. O. Wales.
Delesseria cylindricum -

P. Q. R. missing -

No. 1827. S.
Clostérium dijítum -

No. 1828 - T. Wales.
Clostérium -

No. 1829 - U. Wales -
Staurástrum incus

No. 1830. V.
Staurastrum - needs high power.

No. 1831. W. N. Wales.
Closterium lingidum -

No. 1832. X. Wales.
Desmidieae -

No. 1833 Y. England.
Desmidieae

No. 1834 Z. Wales.
Desmidieae.

From Florida -

No. 1859 - Slide 1a. St Augustine Florida (Bridge)
Hyalodiscus

No. 1860 - 1b. St. Sebastian River near San Augustine -
Cosmodiscus
Eupodiscus radiatus
Tetragramma Americana - Side & end view -
Mastodiscus -

No. 1861 - 1c. Bridge at San Augustine -

No. 1862. 1 d. Bridge over San Augustine.
Hyalodiscus.

No. 1863. 1 e. St. Anastasia Island
near San Augustine.
Amphora
Amphoroa &c

No. 1864. 1 f. St. Augustine.
Griesalinum favus Ehr.

No. 1865- 1 g. Bridge near St Augustine-
(not levigated.)

No. 1866- 1 h. " " "

No. 1867- 1 i- Near St. Augustine Fla-
Tetragramma Americana Bailey-

No. 1868. 1 j. Bridge - St. Augustine

No. 1869 - 1 k. Same as above.
Hyalodiscus sp

No. 1870 - 1 l. Bridge at San Augustine
Navicula.

No. 1871- 1 m. St. Sebastian River -
near San Augustine -
Incrustations foams &c.
Denticella ?

No. 1872- 2 a. Duval's Creek Florida.

No. 1873 2 b. Duval's Creek, Fla

No. 1874- 2 c. Duvals Creek, Florida

57 3/4 Terpsinoë musica Ehr.
67 1/4
54 - " " 2 spec. end views -
35 1/2 -
57 1/2
38 7/8 Stauroneis maculata B
39 7/8
32 1/8
44 1/3 " " with T. musica
39 1/8

No. 1875- 2 d. Duvals Cr. Florida -
Campylodiscus clypens -

No. 1876- 2 e. Duvals Creek. Florida -
Enterprise -
Terpsinoë musica
Stauroneis punctata

No. 1877. 2 f. Duval's Cr. Entrance Fla.

No. 1878. 2 g. Duval's Cr. Florida.

No. 1879 3 a. Coast of Florida Recent Polythalamia.

No. 1880 - 3b. Garden Key Florida
Rhabdonema washed from Algae -
Grammatophora -

No. 1881. 3c. Tortugas "
Climacosphenia.

No. 1882. 3d. Garden Key Florida
Climacosphaenia ramosa Bail.

No. 1883. 3 a. Inland passage 50 miles
from Jacksonville.

No. 1884. 3 f. Inland passage 60 miles
from Jacksonville

No. 1885. 4 a. Ballast Pt. Tampa Bay.
Mastodiscus punctatus B.

No. 1886- 4 b. Tampa -
Euspodiscus radiatus B.

No. 1887- 4 c. Ballast Point, Tampa Bay.
Mastodiscus fruinosus B.

No. 1888- 4 d. Tampa Bay -
Mastodiscus fruinosus Bail.

No. 1889. d & e. Ballast Pint, Tampa.
Mastodiscus.
Eupodiscus.

No. 1890. d. f. " " "

No. 1891. d. g. " " "

No. 1892. 4 h. Tampa Bay, Florida
Mastodiscus pruinosus B.

No. 1893. 4 i. Ballast Point, Tampa Bay.
Grammatophora sp.

No. 1894. 4 j. Ballast Point Tampa Bay.
Fragment of a large Mastodiscus pruinosus.

No. 1895. + k. Ballast Point Tampa.
Actinoptychus ?
Grammatophora
Mastodiscus fruticosus
Eupodiscus radiatus &c

No. 1896. + l. Ballast Point, Tampa.

No. 1897. + m. Tampa.

No. 1898. ♂ n. Tampa.
Amphiprora.

No. 1899. ♂ o Tampa.
Infrafrenal stratum.

No. 1900. ♂ p. Tampa.
Infrafrenal stratum.

No. 1901. 4 f. Ballast Pt. Tampa Bay.

45 1/4 Actiscus primosus B.
66 7/8

48 Eupodiscus radiatus B.
60 2/3

47 Actinoptychus 16 rays.
62 1/2

57 1/2 Tryblionella Scutellum Sm.
72 3/4 = Surirella circumsuta B.

No. 1902. 4 r. Ballast Pt. Tampa Bay, Fla.
Primnduriw
Actinoptychus 12 rays.

No. 1903. 4 s. Ballast Pt. Tamby Bay.
Triceratium reliqenum B.

No. 1904- ♂ l. Ballast Pt. Tampa.
Mastodiscus
Enpodiscus.

No. 1905- ♀ u. Ballast Pt. Tampa Bay-
side view of Mastodiscus primirsus.

No. 1906- ♂ ♀. Ballast Pt. Tampa Bay-
Triceratinus, Celtigerus B.

No. 1907- 4 a. Near Tampa, Fla.
Infusorial Stratum-

No. 1908- 5 a- Pricolata, Florida.
Diatoms-

No. 1909- 5 b. Little Hillsborough River "

No. 1910- 5c. Volutia, Florida.
Serpulina? miscia Ehr.

No. 1911 5d. Anastasia Id. Florida.
Amphora
Amphihrara.

No. 1912- 5e Cape (Pane?)
Mastodiens imaegnalis- side view.

No. 1913. 5f. Palatka, Florida.
Diadema Ehrenbergii

No. 1914. 5g. Demaders Creek Fla.
Isanthylodisens.

No. 1915. 6a. Off St. Simons Is. Georgia
Terpsinoë musica
Triceratium fauns.

No. 1916- 6b. Hopeton, near the Altamaha-
Tetragramma americana, (side view)

No. 1917- 6c. Savannah, Ga.
Pond of Rice field ditches

No. 1918 6d.
Rice fields 10 miles above Savannah, Ga.

No. 1919- 6e. Rice fields, 10 miles above
Savannah, Georgia

No. 1920- 6f. Rice fields, 10 miles above
Savannah, Ga.

No. 1921- 6g. Rice fields, 10 miles
above Savannah, Ga.

No. 1922. 6h. Rice fields 10 miles above Savannah, Ga.

No. 1923. 6i. Same as above.
(not irrigated.)

No. 1924. 6j. Fort Jackson, near Savannah.

No. 1925- 6 k. Rice Fields-
Irrd & irrigation Col. McAllister

No. 1926- 7 a. Sullivans Id. So. Ca.
Grammatophora-

No. 1927- 7 b. Grahamsville So. Ca.
Peridinium-

No. 1928- 8a Rice fields 2 ft. below (surface
Wilmington N.C.

No. 1929- 9a Mud. Charleston, S.C.

No. 1930- 9b On the Ashley River, 6 miles
from Charleston, S.C.

No. 1931- 9 c. Charleston, S. C.
Amphitetras-

No. 1932- 9 d- Charleston, S. C.

No. 1933- 9 e. Charleston, S. Ca-

No. 1934- 9f. Charleston, S. C.

No. 1935- 9g. Charleston, S. C.

No. 1936- 10a. Centreport, Alabama.

No. 1937. 10b Centreport, Ala.

No. 1938. 10c Centreport, Ala.

No. 1939. 10d Centreport, Ala.

No. 1940. 10 a. Centrepoint, Alabama.

No. 1941. 11 a New Orleans, La.

No. 1942. 12a New Braunfels, Texas.
Serpentine musica Ehr.

No. 1943. 13a Missouri River
near St. Louis.

No. 1944. 14a Jackson, Miss.

No. 1945. 15a Artesian Well 48 to 58 ft.
Fort Monroe, Va.

No. 1946. 15b Mud of James River
City Point, Va

No. 1947. 15c Coal Ashes, Va

No. 1948. 15d Williamsburg, Va

No. 1949. 16a Old Point Comfort Va.
Surface Rot.

No. 1950. 16b Old Point Comfort.
53 to 56

No. 1951. 16c Old Point Comfort.
48 to 53

No. 1952. 16 d Old Point Comfort, Va
Polythalamia

No. 1953. 16 e. Old Point Comfort.
Depth 98 to 105.

No. 1954. 16 f. Old Point Comfort.
5½ to 6 8 feet.

No. 1955. 16g. Old Point Comfort.
84 ~~to 89~~ ft.

No. 1956. 16h Old Point Comfort.
53 ~~to~~ 56 ft.

No. 1957. 16i Old Point Comfort.
84 to 89 ft.

No. 1958. 17a Traverse Bay, Lake Michigan

No. 1959. 17b. " " "

No. 1960. 17c. " " "

No. 1961. 17 d. Traverse Bay, Lake Michigan
Recent Infusoria.

No. 1962. 17 e. Lake Elizabeth
Oakland Co. Michigan.

No. 1963. 17 f Oakland, Michigan.

No. 1964. 17 g. Oakland Co. Michigan.

No. 1965. 17 h. " " "
Recent Infusoria

No. 1966. 17 i. " Michigan

No. 1967. 17 j. Mackinaw.

No. 1968. 17 k. Oakland Co. Mich.

No. 1969. 18 a. Morris Co. New Jersey.

No. 1970. 18 b. Drapleton N. Jersey-
Navicula very minute

No. 1971. 18 c. From mud of Delaware River
at Burlington N. J.
Surirella &c

No. 1972. 19 a. Cleveland, Ohio.

No. 1973. 19 b. Pier at Cleveland, Ohio.
Gloconema parvula

No. 1974. 20 a Rockaway N. J.
Biddulphia pulchella

No. 1975. 20 b. Rockaway N. J.
Navicula Baltica
Mastogloia radiatus.

No. 1976- 20 c. Rockaway-
Triceratium favus Ehr.

No. 1977- 20 d. Rockaway
N. Baltica
N. Sigma ?
Mastodiscus radiatus.

No. 1978. 20 e. Rockaway-
Amphiprora carinata
Navicula Baltica

No. 1979. 20 f. Rockaway.
Amphipnoa.
Mastodiscus.

No. 1980. 20 g. Rockaway.
Amphipnoa.

No. 1981. 20 h. Rockaway.

No. 1982. 21 a Hudson River, N.Y.

No. 1983. 21 b. " " "

No. 1984. 21 c. " " "

No. 1985. 21 d Hudson River, N.Y.
Mastodicera radiatus B.

No. 1986. 21 e. From mouth of Hudson River

No. 1987. 21 f. Hudson River N.Y.
Trigeratinus fauus Ehr.

No. 1988. 21 g. Hudson River, N.Y.

No. 1989. 21 h. " " "

No. 1990. 21 i. " " "

No. 1991. 21 j. Hudson River, N.Y.

No. 1992. 21 k. Mouth of New York Docks.
Keratonhus longissimus.

No. 1993. 21 l. Mud Hudson River
Hyde Park.

No. 1994. 21 m. Hudson River, N.Y.

Navicula

Cerataulus turgidus

Surirella

Triceratium favus.

No. 1995. 21 m. Hudson River N.Y.

Amphiprora alata = Ehr.

No. 1996. 22a Greenport: N.Y.

No. 1997. 22 b. Greenport, N.Y.
Cerataulus

No. 1998. 22 c Greenport, N.Y.
Grammatophora

No. 1999. 22 d Greenport, N.Y.
Podocystis.

No. 2000. 22 e. Greenport, N. Y.
Fragments of Amphipoda

No. 2001. 22 f. " "

No. 2002. 22 g. Salt Marsh "

No. 2003. 22 h. Greenport. L. Island
Navicula, mih delicate diagonals N.Y.
& cross lines.

No. 2004. 22 i. " "
Navicula Same as above

No. 2005. 22 j. " "
Grammatophora subtilissima.

No. 2005/2 22 k. Greenport, N.Y.

No. 2006. 23a West Point, N. Y.
Staurosira Dilatata
Xanthidia
Navicula iridis.

No. 2007. 23 b. Catskill Pond. N.Y.
Closterium moduenum.

No. 2008. 23c. Round Pond, near West Pt.
Recent — Infusoria

No. 2009. 23 d. Mill Pond, West Point,
Stauroneis - Side view.

No. 2010. 23 e. Mill Pond, West Pt.

No. 2011. 23 f. Mill Pond, near West Pt.
Surirella splendida Ehr.
Cocconema cymbiforme Ehr.
Difflugia

No. 2012. 23 g. West Point, N.Y.
Meridian circulare.

No. 2013. 23 h. West Point, N.Y.
Gallionella

No. 2014. 23 i West Point, N.Y.
Meridian circulare

No. 2015. 23 j. Round Pond, near West Pt.
Xanthidia

No. 2016. 23 k. West Point.
Head of Hudson River.
Lamprocystidiscus Argus

No. 2017. 23 l. West Point.

No. 2018. 23 m. West Point. April 1. 1849.
Meridion circulare.

No. 2019. 23 m. West Point, N. Y.
Himantidium Arcus Ehr.

No. 2020. 230 West Point, N. Y.
Himantidium Arcus Ehr. } Diatoma
et
Tabellaria flocculosa Ehr }

No. 2021. 23 p. West Point, N.Y.
Triceratium favus Ehr.

No. 2022. 24a Mandalme, Dt.

No. 2023. 24 b. New Durham Dt. } one slide
Derry " Do. }

No. 2024. 25a Near Tarrytown N.Y.
Westchester Co.

No. 2025. 25-b (Croton) N.Y.

No. 2026. 26a Derry, N.H.

No. 2027. 27a Cherryfield, Maine.

No. 2028. 27b. Blue Hill Pond, Me.

No. 2029. 28a Boston Harbor, Mass.
Fragillaria

No. 2030. 28 b Boston Harbor Mass.

No. 2031. 28 c. Boston, Mass.

No. 2032. 28 d. Boston, Mass.

No. 2033. 28 e. Boston Harbor, Mass.

No. 2034. 28 f. Massachusetts Bay.
Sethmia obliquata

No. 2035. 28 g Wendell, Mass.
Dr. Deane.

No. 2036. 28 i. Wenham, Mass.
Silicons infusoria acted upon by Hydrofluoric (acid)

No. 2037. 28 i. Salem, Mass.

No. 2038. 29 a Stonington, Conn.
Pleurosigma formosa

No. 2039. 29 b Stonington, Conn.
Pleurosigma.

No. 2040. 29 c Stonington, Conn.
Navicula Baltica

No. 2041. 29 d. Stonington, Conn.

No. 2042. 29 a. Stonington, Conn.
Grammatophora.

No. 2043. 30 a Providence R. I.
Grammatophora

No. 2044. 30 b Providence R. I.
Achnanthes.

No. 2045. 30 c. Bristol Ferry, R.I.
Briddnelphia pulchella

No. 2046. 30 d. Bristol Ferry, R.I.
Briddnelphia pulchella

No. 2047. 31 a Locality unknown
Trachmodiscus Japonicus with the regards of
A. S. Johnson, 1853

No. 2048. 31 b. Locality unknown.
Arachnoidiscus.

No. 2049. 31 c. Locality unknown
Arachnoidiscus Japonicus.

No. 2050. 32 a Fort Jackson,
Md.

Foreign Diatoms

No. 2060. Slide 1a Rivers Humber, Eng.
adjoining salt-water ditches.

No. 2061. 1b. Humber, Eng.
Recent Infusoria.

No. 2062. 1c. Avon River near Bristol
Surirella. Eng.

No. 2063. 1 d. England.
Gomphonema occellatum.
Meridion

No. 2064. 1 e. Fleetwood, England.
Gomphonema paradoxa.

No. 2065. 1 f. Ilfracombe, England.
Isthmia nervosa
Biddulphia

No. 2066. 1 g. Ilfracombe, Eng.
Biddulphia pulchella
Amphitetras

No. 2067. 1 h. Ilfracombe, Eng.
Isthmia enervis.

No. 2068. 1 i. Ilfracombe, Eng.
Isthmia enervis
Biddulphia pulchella
{boiled in Nitric acid

No. 2069. 1 j. near London, Eng.
Xanthidium ramosum in plant

No. 2070. 1 m. Anglesea, Wales.
Achnanthes subsessilis.

No. 2071. 1 m. North Wales.
Gomphonema geminatum

No. 2072. 1 o. North Wales.
Fragillaria pectinalis.

No. 2073. 1 p. Dolgelly, Wales.
Isthmia.

No. 2074. 2 a Nova Scotia.

No. 2075. 2 b. Nova Scotia.

No. 2076. 2 c. Eaulton, Co. of Colchester
Nova Scotia.

No. 2077. 2 d. Halifax
washed from an Cigarum, not cleaned.

No. 2078. 2 e. Halifax
Stamnoptera.

No. 2079. 2 f. Halifax
Diplonèis Entomon Ehr.

No. 2080. 2 g. Halifax
Spine of $\frac{2}{3}$

No. 2081. 2 h. Nova Scotia.
Stannoneis Bailey's
Stannoneis " Ehrenb.

No. 2082. 2 i. Halifax, N.S.
½ of a large Hyalodiscus
Hyalodiscus laevis Smith
Grammatophora stricta
" serpentina? (test)

No. 2083. 3 a Loc. unknown
Mastogloia

No. 2084. 3 b. Locality unknown.
Amphiplenra.

No. 2085. 3 c. " "
Plenrosigma angulatum

No. 2086. 3 d. " "
Plenrosigma fasciola &c

No. 2087. 3 e Locality unknown.
From Mud in Oysters.
Navicula Baltica
" angulata.
" Sigma
Mastodiscus -

No. 2088. 3 f " "
Triceratium Seligerum.

No. 2089. 3 g. " "
Triceratium favus Ehr.

No. 2090. 3 h. Locality unknown.

No. 2091. 3 i. " "
Cocconema
lanceolata.

No. 2092. 3 j. " "
Fresh water diatoms.

No. 2093. 3 k. Locality unknown.
Striatella arcuata.

No. 2094. 3 k. " "

No. 2095. 3 m. " "
Arachnoidiscus - on Thamnophora

No. 2096. 3 sv. Loc. unknown.
"Metallic lustre" from a Daguerreotypist.

No. 2097. 3 o. Loc. unknown.
Entophyla. Found on Thamnophora.
Arachnoidiscus Japonicus

No. 2098. 3 p. " "
Striatella arcuata on Gracilaria erecta.

No. 2099. 3 ♀. Locality unknown.
Metal mixed by Hydrochloric acid
Isthmia.

No. 2100. 3 ♂. " "
Biddulphia pulchella

No. 2101. 3 ♂. " "
Diatoms.

No. 2102. 4 a. Mud from St. Helena

No. 2103. 4 b. " " "

No. 2104. 4 c. " " "
2. Lagunae

No. 2105. 4 d. Mud fom St. Helena,
Lagena

No. 2106. 5 a. Jamaica, West Indies
Denticella tridens Ehr.

No. 2107. 5 b. Port Royal, Jamaica W. I.
Terpsinoë musica side and view.

No. 2108. 5c. Port Royal, Jamaica W.I.
Serpula? tubica

No. 2109 6a. Outer Harbor Rio de Janeiro.

No. 2110 6b. Rio Janeiro.
Clinacosphaenia .. (Clin glass.)

No. 2111. 7a. Malta.

No. 2112. 7b. Italy.
Crystal Palace N.Y.

No. 2113. 7c. Adriatic.
Gramatophora.

No. 2114. 8 a. Seed from Bombay.

No. 2115 9 a Cape of Good Hope.

No. 2116. 10 a Saltillo, Mexico.

No 2117. 11 a. Teplitz i Böhme

No. 2118. 11 b. Franzenbad, Bohemia.
Limnaeus lodicus cylpeus Say.

No. 2118½ 11 c Franzenbad.
Kiesel Lehm

No. 2119. 12 a. Oberhohe im Lüneburg.
(Bergmehl. 41 ft. thick

No. 2120. 12 b. Bilin
Polirschiefer.

No. 2121. 12 c Berlin.
Artificial Kieselguhr.

No. 2122. 12 d. Hungary.
Polir-schiefer.

No. 2123. 12 e. Berlin - Fossil.

No. 2124. 12 f. Bilin
Tripoli.

No. 2125. 13 a Baltic, Copenhagen -
Campylodiscus Echeneis. Ehr.

No. 2126. 14a. Near Philadelphia
Asia Minor.

No. 2127. 14b. Smyrna.
Infusoria – on Badinn flabelliformis

No. 2128 15a. Singapore.

No. 2129. 16 a. Sooloo Sea.

No. 2130. 16 b. Sooloo Sea.

No. 2131. 17 a. Cape of Good Hope.
Ex. Exp.ne

No. 2132. 18 a.
Infusoria from Soil from Cook's Straits
elevated 100 feet.

No. 2133 19 a Madeira

No. 2134. 19 b. Madeira

No. 2135. 19c Madeira?

No. 2136. St. East Indies.

60 1/2 / 83 1/8 Coscinodiscus.

56 / 80 1/4 Cyclotella Kützingiana

54 / 33 Coscinodiscus broken.

65 / 64 3/4 Diploneis.

No. 2137. B. East Indies.

45 1/2	Small Campylodiscus N. of a long spinule
72 1/2	
45 1/4	" Surirella
67 1/2	
42	Actinocyclus (of no particular interest.)
84	
41	Cyclotella Kützingiana ? + edge view of
71 1/2	Gallionella sulcata.
40	Cyclotella Kützingiana ?
74 1/4	
43	form allied to Fragg. paradoxa
78	
55	Pinnularia
77	
56	Diploneis, N. sp. of a Fragillaria
78 1/4	
52 1/4	Fragt. of Tessella.
831	
55 1/8	Stauroptera a fragt.
84 1/4	
1 0	Triceratium
67 1/2	
63	Campylodiscus Clypeus ? fragt.
61 1/4	
62 1/4	Diploneis — ? a large fragt.
75 1/4	
63 1/2	Stauroptera ? indica B. nov. sp.
63 1/4	
52 1/4	Coscinodiscus.
85	
54	Diploneis
68	
50 1/2	Cyclotella Kützingiana
62 1/4	
43 3/4	Polymyxos — does not belong here, got in in dust of room ?
73 3/4	
48	Terpsinoë ?
69 1/4	Tetragramma ?
47	Diploneis — a good one
80 1/3	
47 1/2	Tetragramma ? a fragt.
81 1/4	
35 1/4	fragt. of a delicate Navicula.
82	

" Those marked so. by new Indicator."

No. 2138. C. East Indies.

61 1/2 / 61 1/2 Stauroptera Indica n. sp. B.

48 1/2 / 70 1/2 " "

48 1/4 / 77 Pinnularia nov. sp.?

No. 2139. D. East Indies.

59 / 14 3/4 Syringidium in a bit of clay.

56 / 27 1/4 Triceratium unequilateral T. favus.

56 1/4 / 79 1/4 fragment of Syringidium

55 1/2 / 63 1/4 Stauroptera Indica B. N.E. of air bubble.

59 / 20 Hyalodiscus Californicus - introduced accidentally & does not belong here

68 / 23 1/2 Piece of Tetragramma.

60 1/2 / 69 Coscinodiscus

57 / 52 Tessella

46 1/8 / 32 3/4 Coscinodiscus

39 3/4 / 34 1/4 Stauroptera Indica B.

37 1/2 / 49 1/4 " " side view

No. 2140. C. Mindanao.
Triceratium - on Circula

No. 2141. F. Philippine Islands -
On Hammer Oyster.

No. 2142. G. Mindanao.

No. 2143, K. Philippine Islands -
Land in Circulars.

No. 2144, I. Mindanao -

No. 2145, J. Mindanao -
Amphitetras &c

No. 2146. K. Mindanao.

No. 2147. L. Mindanao.

No. 2148. M. Mindanao, Philippines.
Dictyocha splendens.

No. 2149. N. Mindanao.

No. 2150. O. Mindanao.

No. 2151 P. Mindanao.

No. 2152. Q. Mindanao.

No. 2153 R Sydney, Australia.
Plumularia Sea weed.

No. 2154. S. Hobart Town, Australia.
Seaweed.

No. 2155. J. Port Oxford, Australia:
Didymosphenia
Cocconeis
Hyalodiscus
Isthmia obligata?
Rhabdonema?
Melosira

No. 2156. M. Port Oxford.

No. 2157. V. So. Australia
Dratonis on Hyella rubra.

No. 2158. X. New Zealand.
Fossil Infusoria.

No. 2159. X. " "
Fragillaria on Nitella.

No. 2160. Y. Patagonia

No. 2161. Z. Unicorn Bay
Inciratum Dr. Sutherland.

No. 2162 A Terra del Fuego.
Entolyphlus Australis

No. 2163. B Maui, Sandwich Is.
On Sargassum echinocarpum
Coccinodiscus?

No. 2164. C Hawaii Sandwich Is.
Cocconeis on Halisenis plagiogramma

No. 2165. D' Hawaii.
Biddulphia

No. 2166. E' Kypono Bay, Hawaii.
Melosira?

No. 2169. F' Sandwich Islands.
Melosira

No. 2168. G. Tongatabo
On Valenia imbricata

No. 2169. H. Feejee Islands.
Amphiprora.

No. 2170. I. Wilson's Is. Comanta Group.

No. 2171. J. Wilson's Do. Tonmonta Group

No. 2172. K. Society Islands

No. 2173. L. Society Islands.

No. 2174. M' Tahiti.
Biddulphia

No. 2175. N' Tahiti.
Triceratium - a single frustule.

No. 2176. O' . Tahiti.
Gallionella sc. washed from an Alga

No. 2177. P. Tahiti.
on Gelidium

No. 2178. Q Tahiti.
Climacosphaenia australis.
Triceratium
Tessella punctata.

"This slide contains
Tri- concavum
" amphitrea – Sand. Is.
or T. gibbosum ?
Climacosphaenia = called by B. australis.
if it shows lines, then it is pronileyana -
Biddulphia aurita ?" C.S.

No. 2179. K' Tahiti.
Triceratium

No. 2180. S' Tahiti.
"Cocconeis parmula H et B:
Triceratium (Sand Ds. sp.) H et B. / specimen rare
Tri. fasciculatum / spec., many.
C.S."

No. 2181. T. Tahiti.

5 1/4 + 63 1/8 Zygoceros ... or sp. broken.
53 1/2 + 29 1/3 Denticella Biddulphia ? 4 frustules filled with balsam.
50 1/8 30 1/2 Hyalodiscus punctatus B.
50 3/4 70 1/2 Denticella 5 frustules - with air.
50 7/8 77 2/3 Triceratium - with side view of same.
47 3/4 78 1/2 " top view - 2 frustules.
48 80 1/8 Denticella - edge view of 4 frustules.

Recorded by thin enamelled cov'r.

No. 2182. U Tahiti.

" 57 63 Zygoceros ? radiatus B.
47 66 Cocconeis parmula Net B.
51 78 Tri. Concavum ?
47 74 " " ?
42 79 " " ?
49 66 " Sandwich Is. species - Can it be Net 13's T. gibbosum ?
" frag't. of T. concavum.
50 68 Another like 49 66 - P V + broken
51 71 Biddulphia pulchella - filament of 6 frustules - 2 of another species.
45 68 T. concavum - obligno -
Rhabdonema minificum all over the slide - very large not named in Bailey's list.
Circles supposed by B. registered by C.S. "

No. 2183. V Tahiti.

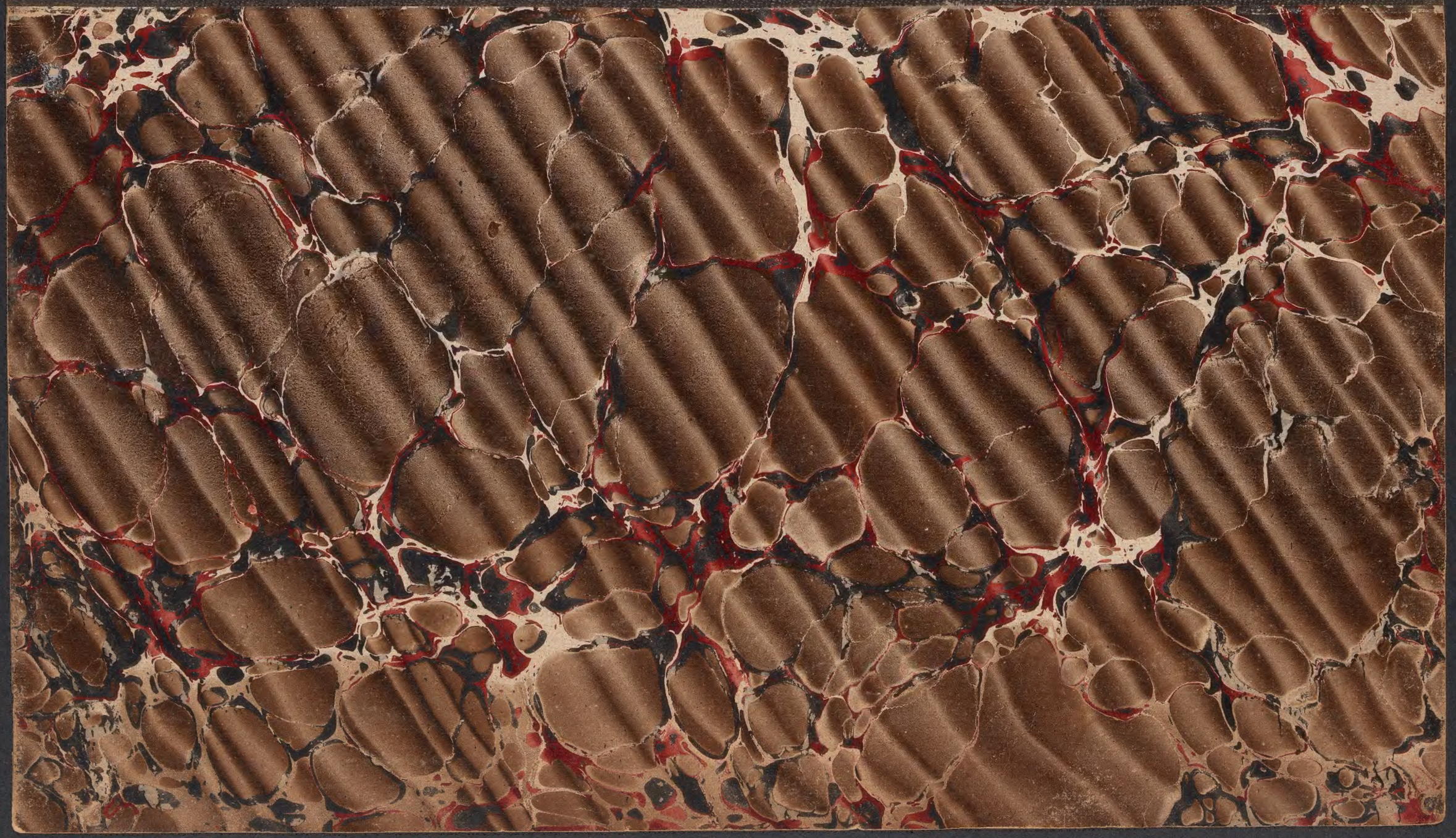
Biddulphia reticulata - n. variety - 2 fine tube
Tri. obtusum 2 attached without coing mem
$\frac{35^2}{78}$ Podocystis adriatica 2 Kütz. oblong
$\frac{30^2}{85}$ Tri. "
$\frac{27}{84}$ 2 more do. C.S.

No. 2184. V Tahiti.

Rhabdonema minificum
Tri. concavum.
Cocconeis parmula
Biddulphia pul.
2 fine tube attached of Tri. obtusum $\frac{52^2}{80 \text{ or } 81}$
missing loop and end of slide for guide lines.
C.S.

No. 2185. X. Tahiti.

on a Imbricaria.

35/81 Podocystis Americana B. newly-hin
B fig- have no description to
refer to-

37/90 Very fine Triceratium- C.S.